



**NOXSYSTEMS**

perfecting your sense of security

# NOXCOMPONENTS

2023

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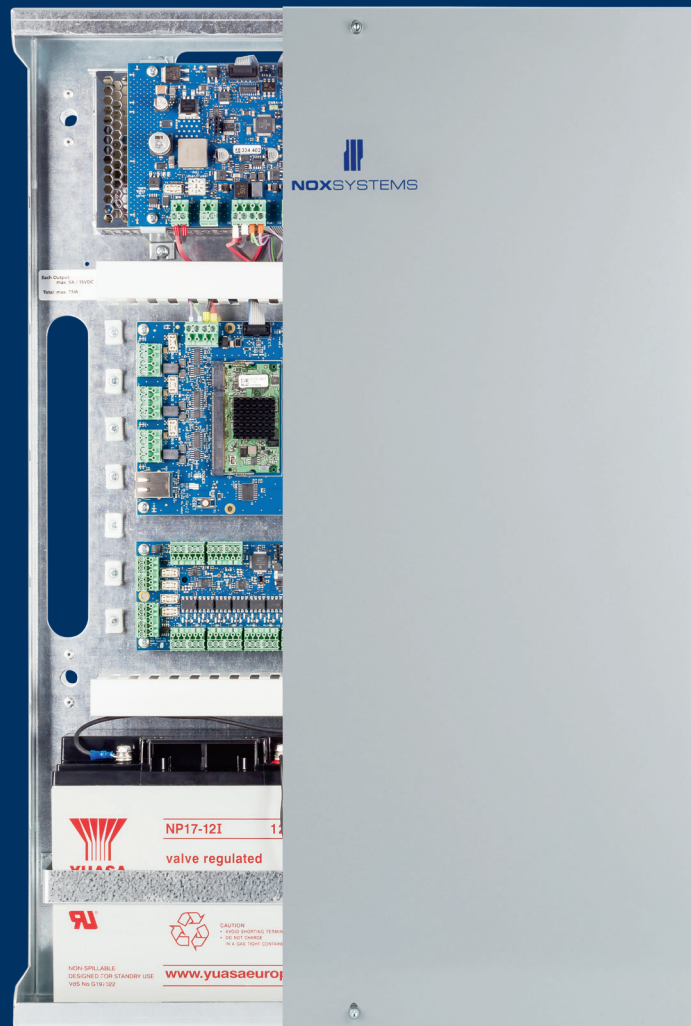
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# NOXSYS

A SYSTEM FOR THE HIGHEST LEVEL OF SECURITY



FROM APRIL 2023

- SUBJECT TO CHANGE WITHOUT NOTICE

# NOX Control unit SYS

## NOX SYS Grade2

NOX SYS G2 / Control Unit „Corp“ Licence G2

Part no.: N101-G2-V4



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			220
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current Bus of the NOX PS5	A			5
Dimensions (L x W x H)	mm	604 x 404 x 105		
Weight (with cover, without batteries)	kg	14		
Tamper detection	Integrated using optical sensor			
Back tamper detection	None			
Drilling detection	None			
Space for batteries	2 x 17 Ah, Valve Regulated Lead Acid batteries (VRLA type)			
Temperature monitoring for batteries	None			
Terminals	AC Input, Battery, 3x NOX Bus, 3x15VDC Outputs, Ethernet			
Bottom housing	Steel sheet galvanised, 2mm			
Cover	Steel sheet, 1.5mm powder-coated RAL9006 aluminium-white			

Consists of (Part. No)	Description
N106	NOX BOX SYS, empty housing
N279 (N277+N276)	NOX CPU V4 Set with „Corp“ Licence
N109-G2	NOX PS5 G2, Power Supply 5A, Components
N209-G2	NOX MID G2, Multi I/O Module internal Grade 2

Spare parts	Spare parts
N277 NOX Motherboard RevD	N276 Toradex CPU module V4 (DIMM T30)
T528 Tamper switch with cable	T525 Cable NOX BUS, connection of I/O modules
T530 Cable USB to CPU	T529 Cable PS5 to batteries

Standards						
EN 50131 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 5D002.c.1

## NOX SYS Grade3 VdS-C

NOX SYS G3 / Control Unit „Corp“ Licence G3

Part no.: N101-G3-V4



Technical data	Unit	Min.	Nominal	Max.			
AC supply voltage	VAC	100	230	240			
AC supply frequency	Hz	47	50	63			
Power consumption	VA			220			
Invironmental temperature	°C	0	25	40			
Air humidity at +40°C (non condensing)	% rF			93			
Output current bus of the NOX PS5	A			5			
Dimensions (L x W x H)	mm	604 x 404 x 105					
Weight (with cover, without batteries)	kg	14					
Tamper detection	Integrated using optical sensor						
Back tamper detection	Integrated using optical sensor						
Drilling detection	None						
Space for batteries	2 x 17 Ah, Valve Regulated Lead Acid batteries (VRLA type)						
Temperature monitoring for batteries	Via Battery Temperature Sensor						
Terminals	AC Input, Battery, 3x NOX Bus, 3x15VDC Outputs, Ethernet						
Bottom housing	Steel sheet galvanised, 2mm						
Cover	Steel sheet, 1.5mm powder-coated RAL9006 aluminium-white						
Consists of (Part. No)	Description						
N106	NOX BOX SYS, empty housing						
N279 (N277+N276)	NOX CPU V4 Set with „Corp“ Licence						
N109-G2	NOX PS5 G2, Power Supply 5A, Components						
N209-G2	NOX MIO G2, Multi I/O Module internal Grade2						
N256	NOX TEP RevA, Battery Temperature Sensor						
N257	NOX ALA RevA, Back Tamper Sensor						
Spare parts	Spare parts						
N277 NOX Motherboard RevD	N276 Toradex CPU Modul V4 (DIMM T30)						
T528 tamper switch with cable	T525 cable NOX BUS, connection of I/O modules						
T530 cable USB to CPU	T529 cable PS5 to batteries						
Standards							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	SSF 1014 Ed.5		ECCN 5D002.c.1
VdS-C G 117008	VSÖ Klasse WS						

# NOX Control unit XL

## NOX XL Grade3 VdS-C

NOX XL G3 VdS-C / Control Unit „Corp“ Licence G3

Part no.: N264-G3 VdS-C



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			280
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			5
Dimensions (L x W x H)	mm	708 x 508 x 205		
Weight with cover, without battery	kg	22		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes			
Drilling detection	None			
Space for battery	2 x 40Ah, Valve Regulated Lead Acid battery (VRLA Type, VdS approved)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	8 Relais, 8 Inputs, 6 Open collector outputs (MIO)			
Terminals	AC Input, Battery, 3x NOX Bus, 3x15VDC Output, Ethernet, Tamper switch			
Bottom housing	Steel sheet galvanised, 2mm			
Cover	Steel sheet, 1.5mm powder-coated RAL9006 aluminium-white			

Consists of (Part. No)	Description
N254	NOX BOX XL, Empty Housing
N279 (N277+N276)	NOX CPU V4 Set with „Corp“ Licence
N109-G2	NOX PS5 G2, Power Supply 5A, Components
N209-G2-MEX	NOX MIO G2 MEX, Multi I/O Module internal Grade2
N256	NOX TEP, Battery Temperature Sensor
N257	NOX ALA, Back Tamper Sensor

Supply / Spare parts	Supply / Spare parts
N277 NOX Motherboard RevD	T530 Cable USB to CPU
T529 Cable PS5 to batteries	T525 Cable NOX BUS, connection of I/O modules

Standards						
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	VdS-C G 117008	VSO Klasse WS	ECCN 5D002.c.1
EN 62368-1						

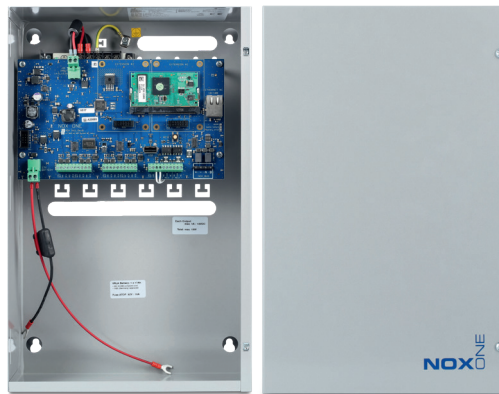


## NOX Control unit ONE

## NOX ONE Grade3

NOX ONE G3 / Control Unit with 1 Bus

Part no.: N401-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions (L x W x H)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes			
Drilling detection	None			
Space for battery	1 x 17 Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	2 Relais, 8 Inputs, 8 Open collector outputs			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15VDC Output,Ethernet, Tamper switch			
Housing	Steel sheet, 1mm powder-coated RAL9006 aluminium-white			

Consists of (Part. No)	Description
N406	NOX BOX ONE
N405	AC/DC Power Supply 75W
N404	NOX NX1, Systemboard
N403	CPU Module VF50 (DIMM) -> NOXone

Supply / Spare parts	Supply / Spare parts
N404 NOX ONE Systemboard	N406 NOX BOX ONE
N403 CPU Module	N405 NOX ONE Power Supply 50W
N414 NOX ETH	Supports all standard NOX BUS components

Standards						
EN 50131 G3	EN 50130-5	EN 61000-6-3	EN 62368-1	EN 50130-4	SSF 1014 Ed.5	ECCN 5D002.c.1
VSÖ Klasse GS-H						

# NOX ONE SET Grade3

NOX ONE Set / Control Unit + CPA

Part no.: N402-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions (L x W x H)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes			
Drilling detection	None			
Space for battery	1 x 17 Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	2 Relais, 8 Inputs, 8 Open collector outputs			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15VDC Output, Ethernet, Tamper switch, Extension			
Housing	Steel sheet, 1mm powder-coated RAL9006 aluminium-white			

Consists of (Part. No)	Description
N401-G3	NOX ONE, Control Unit with 1 Bus
N267-G3	NOX CPA AP KS, Keypad with LCD

Further system components	Further system components
N113 NOX KPD Code keyboard	N250-G2 NOX UPE Code keyboard
N262 NOX Touch Panel	N232-G2 NOX CMU card reader interface access control
N119-G2 NOX IO4 Input/Output module quadruple	supports all standard NOX BUS components

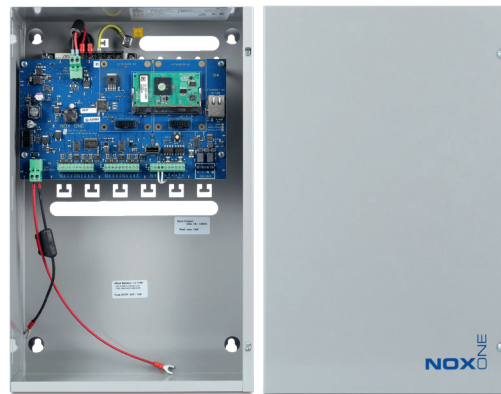
Standards						
EN 50131 G3	EN 50130-5	EN 61000-6-3	EN 62368-1	EN 50130-4	SSF 1014 Ed.5	ECCN 5D002.c.1
VSÖ Klasse GS-H						

## NOX ONE T30

NOX ONE T30 / Control Unit + „Corp“ Licence

Part no.: N415-G3

Licensing commissioned



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions Case (L x W x H)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes			
Drilling detection	None			
Space for battery	1x17Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	2 Relais, 8 Inputs, 8 Open collector outputs			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15VDC Output, Ethernet, Tamper switch, Extension			
Housing	Steel sheet, 1mm powder-coated RAL9006 aluminium-white			
Licence	only to be used as slave control unit in master / slave system			

Consists of (Part. No)	Description
N401-G3	NOX ONE, Control Unit with 1 BUS

Further system components	Further system components
N113 NOX KPD Code keyboard	N250-G2 NOX UPE Code keyboard
N262 NOX Touch Panel	N232-G2 NOX CMU card reader interface access control
N119-G2 NOX IO4 Input/Output module quadruple	supports all standard NOX BUS components

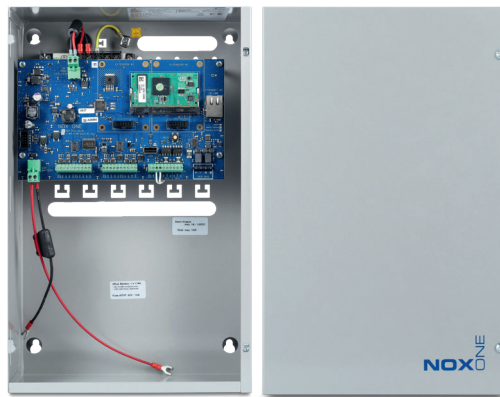
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SSF 1014 Ed.5							

# NOX ONE T30

NOX ONE T30 / Control Unit + „Lite“ Licence

Part no.: N415-G3-L

Licensing commissioned



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions Case (L x W x H)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes			
Drilling detection	None			
Space for battery	1x17Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	2 Relais, 8 Inputs, 8 Open collector outputs			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15VDC Output, Ethernet, Tamper switch, Extension			
Housing	Steel sheet, 1mm powder-coated RAL9006 aluminium-white			
Licence	only to be used as slave control unit in master / slave system			

Consists of (Part. No)	Description
N401-G3	NOX ONE, Control Unit with 1 BUS

Further system components	Further system components
N113 NOX KPD Code keyboard	N250-G2 NOX UPE Code keyboard
N262 NOX Touch Panel	N232-G2 NOX CMU card reader interface access control
N119-G2 NOX IO4 Input/Output module quadruple	supports all standard NOX BUS components

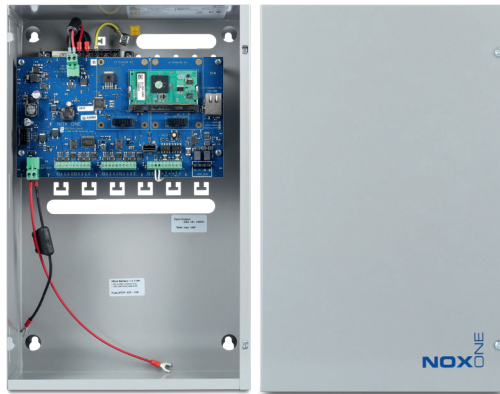
Standards							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	VSÖ Kl. GS-H		ECCN 5D002.c.1
SSF 1014 Ed.5							

## NOX ONE T30

NOX ONE T30 / Control Unit + „Slave“ Licence

Part no.: N415-G3-S

Licensing commissioned  
Integrated I/O



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions Case (L x W x H)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes			
Drilling detection	None			
Space for battery	1x17Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	2 Relais, 8 Inputs, 8 Open collector outputs			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15VDC Output, Ethernet, Tamper switch, Extension			
Housing	Steel sheet, 1mm powder-coated RAL9006 aluminium-white			
Licence	only to be used as slave control unit in master / slave system			

Consists of (Part. No)	Description
N401-G3	NOX ONE, Control Unit with 1 BUS

Further system components	Further system components
N113 NOX KPD Code keyboard	N250-G2 NOX UPE Code keyboard
N262 NOX Touch Panel	N232-G2 NOX CMU card reader interface access control
N119-G2 NOX IO4 Input/Output module quadruple	supports all standard NOX BUS components

Standards							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	VSÖ Kl. GS-H		ECCN 5D002.c.1
SSF 1014 Ed.5							

## NOX BOX Control units

### NOX BOX SYS

NOX BOX empty / Control Unit Case

Part no.: N106



Technical data	Unit	Min.	Nominal	Max.
Dimensions (L x W x H)	mm	604 x 404 x 105		
Weight (with cover, without batteries)	kg	12		
Tamper detection	Tamper switch with cable			
Back tamper detection	None			
Drilling detection	None			
Space for batteries	2x17Ah, Valve Regulated Lead Acid batteries (VRLA Type)			
Bottom housing	Steel sheet galvanised, 2mm			
Cover	Steel sheet, 1.5mm powder-coated RAL9006 Aluminium-white			

Consists of (Part. No)	Description
-	Bottom housing control unit SYS
-	Cover control unit SYS
T528	Tamper switch with cable
-	Clip for battery holder 392 x 20 x 1.5mm

Mounting possibility for	Mounting possibility for
N274 NOX CPU V4 Set with „CORP“	N256 NOX TEP Battery Temperature Sensor
N257 NOX ALA Back tamper Sensor	N109-G2 NOX Power supply PS5 G2
	N105-G2 NOX MIO G2, Multi I/O Modul internal Grad2

Standards

## NOX BOX ONE

Case NOX NX1 with NOX ONE Logo

Part no.: N406



Technical data	Unit	Min.	Nominal	Max.
Dimensions (L x W x H)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	2		
Tamper detection	None			
Back tamper detection	None			
Drilling detection	None			
Space for battery	1x17Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Temperature monitoring for batteries	None			
Housing	Steel sheet, 1mm powder-coated RAL9006 Aluminium-white with Logo NOX ONE			

Consists of (Part. No)	Description
-	Case NX1

Mounting possibility for	Mounting possibility for
N404 NOX ONE Systemboard	N405 NOX ONE Power supply 50W
1 piece NOX BUS module in DASK Case	

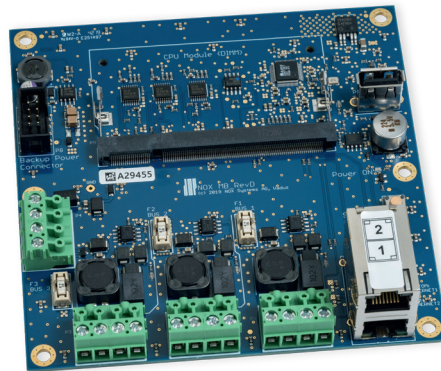
Standards	
-	-

## NOX Motherboard / CPU Set

### NOX Motherboard RevD

NOX Motherboard RevD

Part no.: N277



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	14.25	15.0	15.75
Current consumption	mA		240	
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Max. Bus Output current (each Bus)	A			3
Dimensions (L x W x H)	mm	120 x 120		
Weight	g	130		
Real-Time Clock backup time on power loss		48h		
Terminals	2xRJ45 Ethernet, 3x NOX Bus 1-3, 3x15VDC Outputs, CPU module			
Case	Suitable for NOX BOX SYS, NOX BOX Lite and NOX BOX XL			

Consists of (Part. No)	Description
N277	NOX MB RevD, Motherboard
T555	NOX BUS connector 1x4

Spare parts	Spare parts
N276 CPU module V4 (DIMM T30) „Corp“	N275 CPU module V4 (DIMM T30) „Lite“
N270 CPU module V4 (DIMM T30) excl. Licence (available only as replacement for a CPU V3 PXA320, with serial number)	

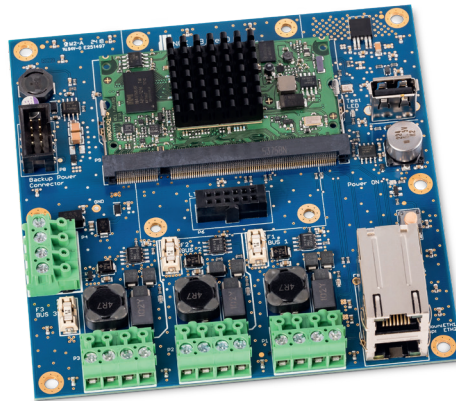
Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN EAR99



## NOX CPU V4 Set „Corp“

NOX CPU V4 Set with „Corp“ Licence

Part no.: N279



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	14.25	15.0	15.75
Current consumption	mA		240	
Invironmental temperature	°C	0	25	50
Air humidity at +40°C (non condensing)	% rF			93
Max. Bus Output current (each Bus)	A			3
Dimensions (L x W)	mm	120 x 120		
Weight	g	140		
Real-Time Clock backup time on power loss	48h			
Terminals	2xRJ45 Ethernet, 3x NOX Bus 1-3, 3x15VDC Outputs, CPU module			
CPU DIMM	T30 NVIDIA Tegra 3 mit ARM Cortex-A9			
Clock frequency	Bis 1.4 GHz Quad-Core			
Flash memory	1 GB DDR3L			
RAM memory	4 GB EMMC			
Real-time clock	yes			
Hardware Watchdog	yes			

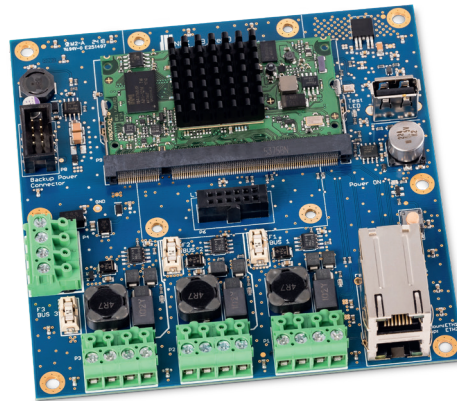
Consists of (Part. No)	Description
N276	CPU Modul V4 (DIMM T30) „Corp“
N277	NOX MB RevD, Motherboard
T555	NOX BUS connector 1x4

Spare parts	Spare parts
N276 CPU Modul V4 (DIMM T30) „Corp“	-

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 5A992.c

**NOX CPU V4 Set „Lite“**  
 NOX CPU RevC compl with „Lite“ Licence

Part no.: N278



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	14.25	15.0	15.75
Current consumption	mA		240	
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Max. Bus Output current (each Bus)	A			3
Dimensions (L x W)	mm	120 x 120		
Weight	g	140		
Real-Time Clock backup time on power loss	48h			
Terminals	2xRJ45 Ethernet, 3x NOX Bus 1-3, 3x15VDC Outputs, CPU module			
CPU	Marvell XScale PXA320			
Clock frequency	806MHz			
Flash memory	1 GB			
RAM memory	128 MB			
Real-time clock	yes			
Hardware Watchdog	yes			

Consists of (Part. No)	Description
N275	CPU Modul V4 (DIMM T30) „Lite“
N277	NOX MB RevD, Motherboard
T555	NOX BUS connector 1x4

Spare parts	Spare parts
N275 CPU Modul V4 (DIMM T30) „Lite“	-

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 5A992.c

# NOX ONE Systemboard

NOX NX1 Systemboard

Part no.: N412-G3

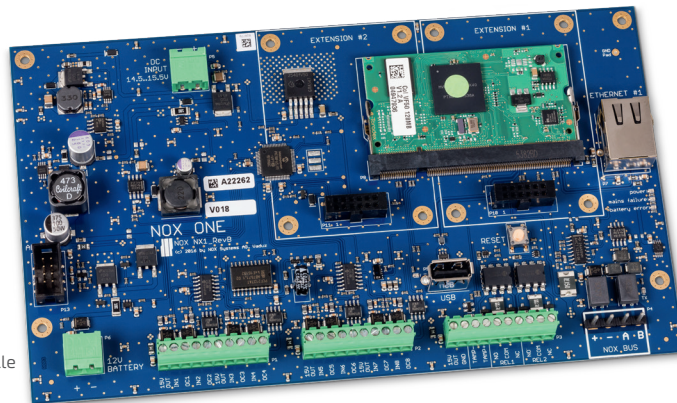


Abb: Systemboard with CPU module  
The CPU module is not included

Technical data	Unit	Min.	Nominal	Max.
Supply voltage	VDC			15.5
Supply frequency	Hz	47	50	63
Power consumption	VA			100
Output voltage	VDC	14.25	15.0	15.75
Output current BUS	A			1.0
Air humidity at +40°C (non condensing)	%rF			93
Invironmental temperature	°C	0	25	40
Battery charging current	A	1.0		
Dimensions (L x W)	mm	210x124		
Real-Time Clock backup time on power loss	8h			
Tamper monitoring	Integrated using optical sensor			
Terminals	Ethernet, DC Input, Battery, 1x NOX BUS, CPU			
Inputs	Hardware 8 resistance monitored (max. 1000 detectors)			
Outputs	Hardware 8 open collector Outputs (max. 1000 outputs)			
Relay Outputs	2			
Tamper Input	1			

Consists of (Part. No)	Description
-	Component NX1

Spare parts	Spare parts
N403 CPU module VF50 (DIMM) -> NOX ONE	

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 5A992.c

## NOX CPU Modules

### CPU module V4 „Corp“ CPU module V4 (DIMM T30) „Corp“ Licence

Part no.: N276



Technical data	Unit	Min.	Nominal	Max.
Supply voltage	VDC	3.0	3.3	3.6
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	67.6 x 36.7 x 6.2		
Weight	g	10		
CPU Name	T30			
CPU Type	Intel XScale ARM			
CPU Clock	Up to 1.4GHz Quad-Core			
RAM	1GB DDR3L			
Flash	4GB eMMC			
Licence	Corporate			
Operating system	Windows CE6			

Consists of (Part. No)	Description
N276	CPU Module V4 (DIMM T30) „Corp“

Spare parts	Spare parts
N277 NOX Motherboard RevD	-

Standards	Standards
	ECCN 5A992.c

## CPU module V4 „Lite“

CPU Module V4 (DIMM T30) „Lite“ Licence

Part no.: N275



Technical data	Unit	Min.	Nominal	Max.
Supply voltage	VDC	3.0	3.3	3.6
Environmental temperature	°C	-40		85
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	67.6 x 36.7 x 6.2		
Weight	g	10		
CPU Name	T30			
CPU Type	Intel XScale ARM			
CPU Clock	Up to 1.4GHz Quad-Core			
RAM Memory	1GB DDR3L			
Flash Memory	4GB eMMC			
Licence	Lite			
Operating system	Windows CE6			

Consists of (Part. No)	Description
N275	CPU Module V4 (DIMM T30) „Lite“

Spare parts	Spare parts
N277 NOX Motherboard RevD	-

Standards
ECCN 5A992.c

CPU module „NOXone“  
CPU Module (DIMM VF50) NOXone licence

Part no.: N403



Technical data	Unit	Min.	Nominal	Max.
Supply voltage	VDC	3.0	3.3	3.6
Environmental temperature	°C	0		70
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	67.6 x 36.7 x 6.2		
Weight	g	10		
CPU Name	MVF50NN151CMK40			
CPU Type	NXP/Freescale Vybird			
CPU Clock	400MHz			
RAM	128MB DDR (32 Bit)			
Flash	128MB NAND (8 Bit)			
Licence	NOX ONE			
Operating system	Windows Embedded Compact 2013 (CE8)			
Consists of (Part. No)		Description		
N403		CPU Module VF50 (DIMM) -> NOXone		
Spare parts		Spare parts		
N404 NOX ONE Systemboard		-		
Standards				
		ECCN 5A992.c		

## NOX Power supply

### NOX ONE Power supply 50W

Power supply 15.5VDC/50W

Part no.: N405



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	264
AC supply frequency	Hz	47	50	63
Environmental temperature	°C	-25	25	+70
Air humidity at +40°C (non condensing)	% rF	20		95
Output current	A			3.4
Dimensions (L x W x H)	mm	100 x 96.5 x 35.5		
Weight	kg	0.35		
Output voltage	VDC	15.5		
Output power	W	50		
PFC	No			
Safety appliance	Overload and short-circuit proof			
Terminals	VAC Input / VDC Output			

Consists of (Part. No)	Description
-	Power supply 15.5VDC/50W

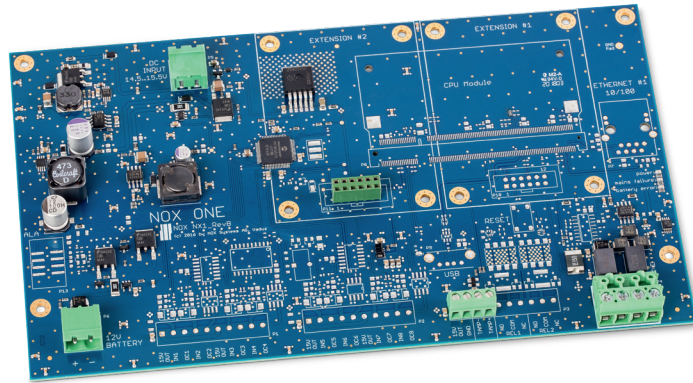
Spare parts for	Spare parts for
N401-G2 NOX ONE Control unit 1 BUS	

Standards
ECCN 3A991.a.2

# NOX PS1 Electronic Grade3

NOX PS1 Electronic G3

Part no.: N410-G3



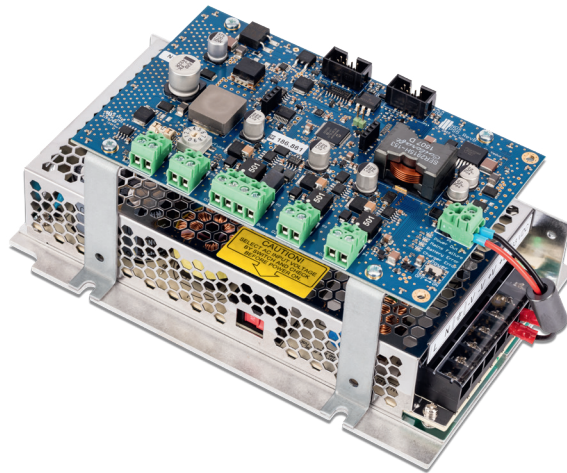
Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions (L x W x H)	mm	210 x 124mm		
Weight (with cover, without batteries)	kg	0.15		
Tamper monitoring	Integrated using optical Sensor			
Temperature monitoring for batteries	With Temperature Monitoring			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15VDC Output			
Consists of (Part. No)		Description		
N410		NOX PS1 Electronic G3		
Supply / Spare parts		Supply / Spare parts		
N405 NOX ONE Power Supply 50W		N406 NOX BOX ONE		
Standards				
EN 50131 G3	EN 50130-5	EN 61000-6-3	EN 62368-1	EN 50130-4
				ECCN 3A991.a.2



## NOX Power supply PS5-G2

NOX PS5 G2, Power Supply 5A, Components

Part no.: N109-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current	A			5
Output voltage	VDC	14.0	15	15.7
Output power	W		150	
Battery charging current	A	2		4
Dimensions (L x W x H)	mm	220 x 125 x 95		
Weight	kg	1		
Supported batteries	2 x 7Ah/12V up to 2x 85Ah/12V			
PFC	yes			
Safety appliance	Overload and short-circuit proof			
Terminals	Mains Input / Battery, 1x NOX Bus, 3x15V VDC Output			

Consists of (Part. No)	Description
N138-G2	NOX PS5 Electronics G2
N139	AC/DC Power Supply 150W
-	Brackets PS5 125 x15 x 2mm and Base Plate
T522	Cable PS5 power supply to electronics

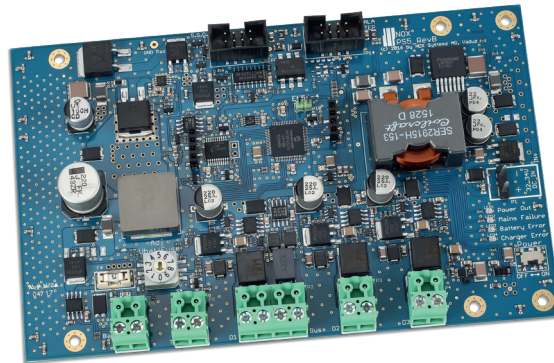
Spare parts for	Spare parts for
N101 NOX SYS (all models)	N264-G3 NOX XL G3

Standards							
EN 50131 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2	

# NOX PS5 Elektronik

NOX PS5 Electronic G2

Part no.: N138-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	30	33	34
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current	A			5
Output voltage	VDC	14	15	15.7
Dimensions (L x W x H)	mm	157 x 98		
Weight	g	150		
PFC	yes			
Supported batteries	2 x 7Ah/12V up to 2x 42Ah/12V			
Tamper monitoring	Using optical Sensor			
Terminals	32..34VDC Input, Batterie, 1x NOX Bus, 3x 15V VDC Output			

Consists of (Part. No)	Description
N138-G2	NOX PS5 Electronics G2
-	Terminal block Combicon PT4p green
-	Terminal block Combicon PT2p green

Spare parts for	Spare parts for
N101 NOX SYS Control unit (all models)	N171 NOX BOX Lite, N179, N177,N193
N264-G3 NOX XL G3	N189 NOX PS2 in Case
N104-G2 NOX PS5 G2 in Case	

Standards						
EN 50131 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2

## NOX Power supply 150W auf Adapterplatte

Spare Part AC/DC Supply 150W w/ plate

Part no.: N260



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			95
Output current	A		5	
Output voltage	VDC	31	33	33.5
Output power	W	150		
Dimensions (L x W x H)	mm	198 x 99	38.1	
Weight (with cover, without batteries)	kg	0.8		
Terminals	VAC Input / 32..33VDC Output			
Consists of (Part. No)		Description		
-		Adapter plate PS5		
N139		AC/DC Power Supply 150W		
Spare parts for		Spare parts for		
N101 NOX SYS Control unit (all models)		N104-G2 NOX PS5 G2 in Case		
N264-G3 NOX XL G3		N104-G3 NOX PS5 G3 in Case		
Standards				
-		-		

# NOX Power supply PS5 Power supply 150W

AC/DC Power Supply 150W

Part no.: N139



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			95
Output current	A		5	
Output voltage	VDC	31	33	33.5
Output power	W	150		
Dimensions (L x W x H)	mm	198 x 99 38.1		
Weight	kg	0.6		
Terminals	VAC Input / 32..33VDC Output			

Consists of (Part. No)	Description
N139	AC/DC Power Supply 150W

Spare parts for	Spare parts for
N101 NOX SYS Control unit (all models)	N104-G2 NOX PS5 G2 in Case
N264-G3 NOX XL G3	N104-G3 NOX PS5 G3 in Case

Standards	
-	-

## NOX Universal Power supply 12VDC/30W

Power supply 12VDC/30W

Part no.: N272



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	90	230	264
AC supply frequency	Hz	47	50	63
Invironmental temperature	°C	-20	25	+85
Air humidity at +40°C (non condensing)	% rF			93
Output current	A		5.5	
Output voltage	VDC		12	
Output power	W		70	
Dimensions (L x W x H)	mm	132 x 58 x 30.5		
Weight	kg	0.345		
Safety applianceen	Overload and short-circuit proof			
Cable length output	approx. 60cm			
Tamper detection	None			
Terminals	VAC Input / VDC Output			

Consists of (Part. No)	Description
N272	Power supply 12VDC/30W
T535	Power cord C13 power outlet

Spare parts	Spare parts

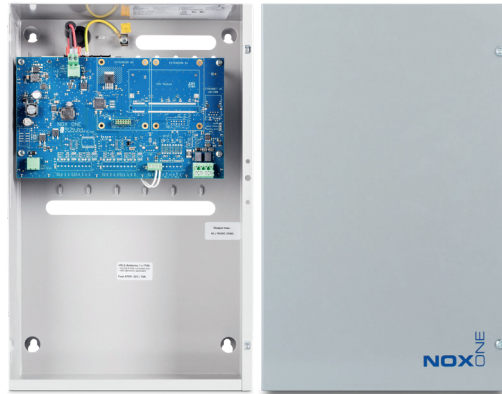
Standards							
EN55022 Class B	EN60950-1	EN61000-6-3	EN61000-3-2	EN61000-3-3	EN55024	EN61204-3	EN61000-6-1

## NOX Power supply in housing

### NOX PS1 Power supply Grade3

NOX ONE PS1 G3, complete supply

Part no.: N409-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions (L x W x H)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Using optical sensor			
Back tamper detection	Using optical sensor			
Drilling detection	None			
Space for battery	1 x 17 Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15VDC Output, Tamper switch			
Housing	Steel sheet, 1mm powder-coated RAL9006 aluminium-white			

Consists of (Part. No)	Description
N406	NOX BOX ONE
N405	AC/DC Power Supply 75W

Supply / Spare parts	Supply / Spare parts
N405 NOX ONE Power Supply 50W	N406 NOX BOX ONE

Standards					
EN 50131 Grade 3	EN 50130-5	EN 61000-6-3	EN 62368-1	EN 50130-4	ECCN 3A991.a.2

## NOX PS5 Power supply Grade2

NOX PS5 G2, complete supply

Part no.: N104-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			150
Environmental temperature	°C		25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current	A			5
Output voltage	VDC	14	15	15.7
Output power	W			150
Dimensions (L x W x H)	mm	604 x 404 x 105		
Weight (with cover, without batteries)	kg	14.9		
Back tamper detection	None			
Drilling detection	None			
Tamper detection	Integrated using optical sensor			
Supported batteries	2x17Ah/12V, Valve Regulated Lead Acid batteries (Type VRLA)			
Temperature monitoring for batteries	None			
Terminals	VAC Input, battery, 1xNOX Bus, 2x15 VDC Output			

Consists of (Part. No)	Description
N106	NOX BOX empty, Control Unit Case
N109-G2	NOX PS5 G2, Power Supply 5A, Components

Spare parts	Spare parts
N138-G2 NOX PS5 Electronics	-
N139 Power supply 33VDC/150W	-

Standards							
EN 50131-6 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2	

# NOX PS5 Power supply with Case

NOX PS5 in NOX BOX G3

Part no.: N104-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			150
Environmental temperature	°C		25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current	A			5
Output voltage	VDC	14	15	15.7
Output power	W			150
Dimensions (L x W x H)	mm	604 x 404 x 105		
Weight (with cover, without batteries)	kg	14.9		
Back tamper detection	Using optical sensor			
Drilling detection	None			
Tamper detection	Integrated using optical Sensor			
Supported batteries	2x17Ah/12V, Valve Regulated Lead Acid batteries (Type VRLA)			
Temperature monitoring for batteries	Using Battery Temperature Sensor, temp. relevant charging voltage			
Terminals	VAC Input, battery, 1xNOX Bus, 2x15 VDC Output			

Consists of (Part. No)	Description
N106	NOX BOX empty, Control Unit Case
N109-G2	NOX PS5 G2, Power Supply 5A, Components
N257	NOX ALA RevA, Back Tamper Sensor
N256	NOX TEP RevA, Battery Temperature Sensor

Spare parts	Spare parts
N138-G2 NOX PS5 Electronics	-

Standards							
EN 50131-6 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	VSÖ Klasse WS		ECCN 3A991.a.2



# NOX PS5 Power supply in BOX XL Grad3 VdS-C

NOX PS5 in NOX BOX XL G3 VdS-C

Part no.: N265-G3-VDSC



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			280
Invironmental temperature	°C		25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current	A			5
Output voltage	VDC	14	15	15.7
Output power	W			150
Dimensions (L x W x H)	mm	708 x 508 x 184		
Weight (with cover, without batteries)	kg	19		
Back tamper detection	Integrated using optical sensor			
Drilling detection	None			
Tamper detection	Integrated using Integrated optical Sensor			
Supported batteries	Up to 2x40Ah/12V, Valve Regulated Lead Acid batteries (Type VRLA)			
Temperature monitoring for batteries	Using Battery Temperature Sensor, temp. relevant charging voltage			
Terminals	VAC Input, battery, 1xNOX Bus, 2x15 VDC Output			

Consists of (Part. No)	Description
Nxxx	Case NOX BOX XL
N139	AC/DC Power Supply 150W
N138-G2	NOX PS5 Electronics
N256	NOX TEP RevA, Battery Temperature Sensor
N257	NOX ALA RevA, Back Tamper Sensor

Spare parts	Spare parts
N109-G2 NOX Power supply PS5 G2	T522 Cable PS5 Power supply to electronics
T536 cable PS5, Battery pin NOX XL	N109-G2 NOX Power supply PS5 G2

Standards						
EN 50131-6 G3	VdS-C G117009	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN 3A991.a.2
VSO Klasse WS						

## NOX Keypads

### NOX CPA Grade3 VdS-C

NOX CPA G3 Keypad with LCD

Part no.: N267-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Power consumption at 15VDC	mA	9		72
Power consumption at 9VDC	mA	12		113
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Case protecting class corresponding IEC 60529	IP	20		
Dimensions (L x W x H)	mm	177 x 115 x 25 (without Frame)		
Weight (with cover, without batteries)	g	350 (without Frame)		
Tamper detection	Integrated using optical sensor			
Case	Plastic PC/ABS in RAL9006 (Aluminium-white)			
Indicator	Full graphic LCD 128 x 64 pixel			
Backlight	LED white			
Lexan Screen	Light grey with keypad, function button and four status LED`s free programmable			
Buzzer	Integrated			
Connecting to the control unit	NOX BUS			
Assembly	Standard on wall / in wall mount available in slim and wide			

Consists of (Part. No)	Description
N267-G3	NOX CPA AP G3 Rev.E, Keypad with LCD

Spare parts	Spare parts
N154 BOX NOX CPA AP KS UP BOX Wooden box slim	N308 NOX CPA AP KS UP Frame wide
N258 NOX CPA AP KS UP Frame slim	-
N110 AP-G2 NOX CPA AP Model in aluminium	-

Standards						
EN 50131 G3	VdS-C G117010	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN 50002.c.1
VSO Klasse WS						

## NOX CPA-M Grade3 VdS-C

NOX CPA RFID Modul und Keypad mit LCD

Part no.: N266-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Power consumption at 15VDC	mA	9		72
Power consumption at 9VDC	mA	12		113
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Case protecting class corresponding IEC 60529	IP	20		
Dimensions (L x W x H)	mm	177 x 115 x 25 (w/out Frame)		
Weight	g	350		
RFID Reading distance	cm	2-3		
RFID Technology	Supports Mifare DESFire, read UID EV1 und EV2 (no support for fils and sector readings)			
Tamper / Back tamper detection	Integrated using optical sensor			
Case	Plastic PC/ABS in RAL9006 (Aluminium-white)			
Indicator	Full graphic LCD 128 x 64 pixel			
Backlight	LED white			
Lexan Screen	Light grey with keypad and function button			
Buzzer	Integrated			
Connecting to the control unit	NOX BUS			
Assembly	Standard on wall / in wall mount available in slim and wide			

Consists of (Part. No)	Description
N154	NOX CPA AP KS, Keypad with LCD

Spare parts	Spare parts
N154 BOX NOX CPA AP KS UP BOX Wooden box slim	N308 NOX CPA AP KS UP Frame wide
N258 NOX CPA AP KS UP Frame slim	-
N110 AP-G2 NOX CPA AP Model in aluminium	-

Standards						
EN 50131 G3	VdS-C G117010	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN 50002.c.1
VSÖ Klasse WS						

## NOX UPK-Z

NOX UPK-Z / Keylock EDIZIOdue

Part no.: N216



Technical data	Unit	Min.	Nominal	Max.
Dimensions (L x W x H)	mm	88 x 88 x 35		
Weight (with cover, without batteries)	g	80 with keylockswitch 150		
Case	Feller Edizio Due designframe, white			
Lock cylinder	Kaba 1008C with 2 keys			
LED	None			
Connecting to the control unit	via NOX BUS I/O module, (No direct NOX Bus connection)			
Output	Potential free contacts			
Assembly	in wall			
Consists of (Part. No)		Description		
N216		NOX UPK-Z, Keylock EDIZIOdue		
Spare parts		Spare parts		
N215 NOX UPK, Keylock w/out cylinder, w/out LED		-		
Standards				
		ECCN 50002.c.1		

## NOX UPK-Z with LED

NOX UPK-ZL / Keylock EDIZIOdue

Part no.: N218



Technical data	Unit	Min.	Nominal	Max.
Dimensions (L x W x H)	mm	88 x 88 x 35		
Weight (with cover, without batteries)	g	80 with Keylock switch 150		
Case	Feller Edizio Due designframe, white			
Lock cylinder	Kaba 1008C with 2 keys			
LED	With 2 colored LEDs			
Connecting to the control unit	via NOX BUS I/O module, (No direct NOX Bus connection)			
Output	Potential free contacts			
Assembly	in wall			
Consists of (Part. No)	Description			
N218	NOX UPK-ZL, Keylock EDIZIOdue			
Spare parts	Spare parts			
N217 NOX UPK-L Keylock s., w/out Zylinder, w/ 2 LED	N219 NOX UPK-L bk, Keylock, w/out cylinder, w/ 2 LED, color black			
Standards				
				ECCN 50002.c.1

## NOX Code Keyboards

### NOX KPD

NOX KPD AP Alu / Keypad

Part no.: N113



Image with frame wide N261



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	15.5
Power consumption at 15VDC	mA	15.0		35.0
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H) On wall	mm	100 x 70 x 23		
Dimensions (L x W x H) In wall	mm	136 x 106 x 23		
Case protecting class corresponding IEC 60529	IP	20		
Tamper detection	Using optical sensor			
Case	Aluminium			
Indicator	State Display w/ two different colored LEDs			
Backlight	LED white			
Lexan Screen	Light grey with keypad and function button			
Buzzer	Integrated			
Connecting to the control unit	NOX BUS			
Assembly	On wall and model UP w/ Frame			
Consists of (Part. No)		Description		
N113AP		NOX CPA Keypad		
Spare parts		Spare parts		
N113 BOX KPD UP BOX, Wooden in-wall boxes for UP		-		
N261 NOX KPD UP Frame for in wall mount		-		
Standards				
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				ECCN 50002.c.1

## NOX UPE

NOX UPE G2 / Keypad Grade2

Part no.: N250-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Power consumption at 15VDC	mA	11.0	20.0	35.0
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H) Print only	mm	60 x 60 x 35		
Dimensions (L x W x H) w/ in wall frame	mm	88 x 88 x 35		
Case protecting class corresponding IEC 60529	IP	20		
Tamper detection	Using key			
Case	Design Feller EDIZIOdue			
Indicator	State Display w/ two different colored LEDs			
Backlight	No key illumination			
Lexan Screen	Light grey with keypad and function button			
Buzzer	Integrated			
Connecting to the control unit	NOX BUS			
Assembly	in wall			
Consists of (Part. No)		Description		
N250-G2		NOX UPE G2, Keypad Grade 2		
Spare parts		Spare parts		
-		-		
Standards				
EN 50131-3 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				ECCN 50002.c.1

# NOX Touch Panel

## NOX TPA

NOX TPA15 / Touchpanel 15" for 12VDC

Part no.: N262

Image with UP decorframe  
stainless steel blank N178  
Frame available in different colors



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC		12.0	
Power consumption	W		25	45
Cooling	without fan			
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF	5		95
Size w/ Frontframe (L x W x H)	mm	410 x 335 x 108		
Weight w/out Frame	kg	3.2		
Case protecting class corresponding IEC 60529	IP	2x		
Backlight	LCD Backlight LED / Brightness 400cd/m2			
Display	15.4 Zoll Screen size, 1024 x 768 (XGA 4:3)			
Size UP Box	390 x 316 x 103 (Wall cut)			
Terminals	DC in, Ethernet interface 10/100 MBit			
Operating system	Windows 7 Embedded			

Consists of (Part. No)	Description
N262	NOX TPA15" Touchpanel 15" for 12VDC

Spare parts	Spare parts
N156 TPA15 UP BOX Wooden in-wall boxes	N157 TPA15 UP Decorframe steel black painted
N158 TPA15 UP Decorframe steel white	N178 TPA15 UP Decorframe Stainless steel blank brushed
N263 NOX Universal Power supply	

Standards	
EN 61000-6-2	EN 61000-6-3
	ECCN 50992.c



## mSATA Modul

mSATA Modul für TPA15

Part no.: N269



Technical data	Unit	Min.	Nominal	Max.
Interface	SATA III			
Flash Type	MLC			
Capacity	GB		128	
Max. Channels			4	
Sequential R/W	MB/sec, max.	400/200		
Max. Power Consumption	W	1.4 W (3.3V x 433.6 mA)		
Thermal Sensor	ST-Optional / WT-Default			
TRIM	yes			
External DRAM buffer	-			
Quick Erase	Optional			
H/W Write Protect	Optional			
ATA Security	yes			
S.M.A.R.T.	yes			
Dimension (WxLxH)	29.8 x 50.8 x 3.3mm			

Consists of (Part. No)	Description
N269	mSATA Modul 3ME3 series

Spare parts	Spare parts
-	-

Standards

# NOX TPA frame oak

NOX TPA15 AP frame oak

Part no.: N271



Technical data	Unit	Min.	Nominal	Max.
Size w/ Frontframe (L x W x H)	mm	410 x 335 x 108		
Weight w/out Frame	kg	3.2		
Case protecting class corresponding IEC 60529	IP	2x		
Wood	Oak nature			
Display	15.4 Zoll Screen size, 1024 x 768 (XGA 4:3)			
Size UP Box	390 x 316 x 103 (Wall cut)			
Mounting	The frame is fixed to the wall with four screws			

Consists of (Part. No)	Description
N271	NOX TPA15 AP frame oak

Spare parts	Spare parts
N156 TPA15 UP BOX Wooden in-wall boxes	N157 TPA15 UP decorframe steel black painted
N158 TPA15 UP Decorframe steel white	N178 TPA15 UP decorframe stainless steel blank brushed
N263 NOX Universal Power supply	

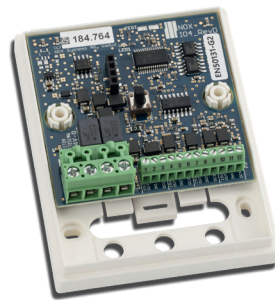
Standards
ECCN EAR99

## NOX I/O Modules

### NOX IO4 G2

NOX IO4 G2 / Quad I/O Module Grade 2

Part no.: N119-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption	mA			7.0
Open Collector Current Output	mA			350
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27		
Weight w/ Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK case)			
Tamper monitoring	yes			
Back tamper detection	None			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Connection peripheral	4 Inputs and 4 Open collector outputs, each 350mA (each max. 30m)			

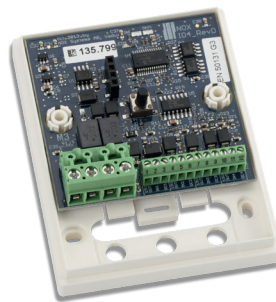
Consists of (Part. No)	Description
N119-G2	NOX IO4 G2, Quad I/O Module Grade 2
T552	DASK Case empty, with screws

Spare parts	Spare parts
-	-

Standards							
EN 50131 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN EAR99

NOX IO4 G3 VdS-C  
NOX IO4 G3 / Quad I/O Module Grade 3

Part no.: N119-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption	mA			7.0
Open Collector Power Output	mA			350
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27		
Weight w/ Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK case)			
Tamper monitoring	yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	4 Inputs and 4 Open Collector Outputs, each 350mA (each max. 30m)			

Consists of (Part. No)	Description
N119-G3	NOX IO4 G3, Quad I/O Module Grade 3
T552	DASK case empty, with screws

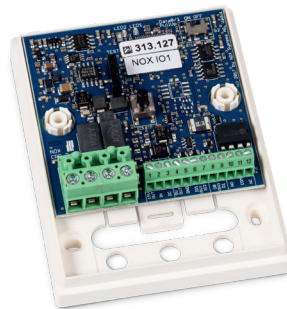
Spare parts	Spare parts
-	-

Standards						
EN 50131 G3	VdS-C G117011	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN EAR99
VSO Klasse WS						

## NOX IO1

NOX IO1 / Single I/O Module

Part no.: N234



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	15.5
Current consumption at 15VDC	mA	12.0		14.0
Relay Output			max 30VDC	1A
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27		
Weight with Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK case)			
Tamper monitoring	Yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	1 Input and 1 relay Output potential free (each max. 30m)			
Consists of (Part. No)		Description		
N234		NOX IO1, Single I/O Module		
T552		DASK case empty, with screws		
Spare parts		Spare parts		
-		-		
Standards				
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				ECCN EAR99

# NOX IR3

NOX IR3 / Bus Connection Vanderbilt MAGIC

Part no.: N208



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	16.0
Current consumption	mA		5.0	
Electric data of outputs 5V TTL	mA			25
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	50 x 40 x 15		
Weight (Module only)	g	16		
Case protecting class corresponding IEC 60529	IP	IP corresponding Vanderbilt PDM motion detector		
Case	Delivery w/out case			
Tamper monitoring	via Vanderbilt PDM motion detector			
Back tamper detection	Via PDM motion detector			
Assembly	Into Vanderbilt PDM motion detector			
Connecting to the control unit	NOX BUS			
Peripheral Connections	3 Inputs (, Tamper, Anti mask) and 2 Outputs			

Consists of (Part. No)	Description
N208	NOX IR3, Bus Connection Vanderbilt MAGIC

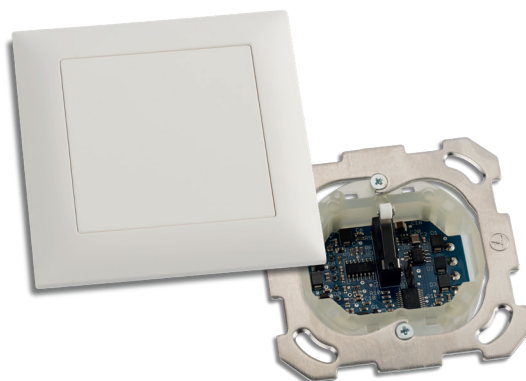
Spare parts	Spare parts
-	-

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN EAR99

## NOX UP4

NOX UP4 / Quad I/O Module EDIZIOdue

Part no.: N251



Technical data	Unit	Min.	Nominal	Max.
Supply Voltage (VBUS)	VDC	8.0	15.0	16.0
Current consumption	mA	11.0		17.0
Open Collector Output	mA			200
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H) PCB only	mm	50 x 47 x 19		
Overall Dimensions (L x W x H) with Feller Cover	mm	88 x 88 x 35		
Case protecting class corresponding IEC 60529	IP	20		
Case	Feller mask frame FNr.2911.FMI.61			
Tamper monitoring	Yes			
Back tamper detection	None			
Assembly	In wall with white Feller case FNr.2911.FMI.61			
Connecting to the control unit	NOX BUS			
Peripheral Connections	4 Inputs and 2 Open Collector Outputs, each 200mA max. (each max. 30m)			

Consists of (Part. No)	Description
N251	NOX UP4, Quad I/O Module EDIZIOdue
-	EDIZIOdue assembly recording, BSM
-	EDIZIOdue blank cover, white
-	EDIZIOdue cover, white 1

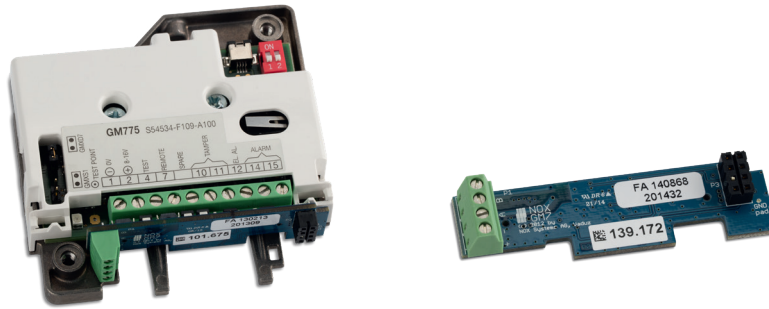
Spare parts	Spare parts
-	-

Standards	
EN 50131	EN 50130-4 EN 50130-5 EN 61000-6-3 EN 62368-1 ECCN EAR99

## NOX GM7

NOX GM7 / Bus Connection Vanderbilt Senstec

Part no.: N204



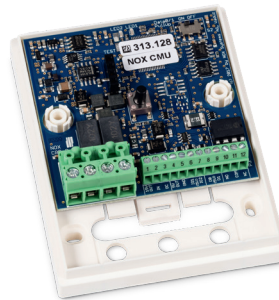
Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption	mA		5.0	
Current open collector Outputs	mA			100
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions Print (L x W x H)	mm	67 x 18 x 18		
Weight w/ Cover	g	12		
Case protecting class corresponding IEC 60529	IP	IP corresponding Vanderbilt Senstec detector		
Case	Delivery w/out case			
Tamper monitoring	Integrated in detector			
Back tamper detection	Integrated in detector			
Assembly	Into Senstec detector			
Connecting to the control unit	NOX BUS			
Connections to GM7xx	2 Inputs and 2 Open Collector Outputs, each 100mA			
Supported detectors	GM7xx Series			
Consists of (Part. No)		Description		
N204		NOX GM7, Bus Connection Vanderbilt Senstec		
Spare parts		Spare parts		
-		-		
Standards				
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				ECCN EAR99



## NOX CMU Grade3 VdS-C

NOX CMU G3 / Card Reader Interface

Part no.: N232-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption at 15VDC	mA	12.0		18.0
Open Collector Output	mA			25VDC / 500mA
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27		
Weight w/ Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK case)			
Tamper monitoring	Yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	1 Input and 1 Relay Output, potential free (max. 30V/1A) (each max. 30m)			
Offline task cards	Up to 204 card codes saved			
Supported Interface	For Wiegand Interface (up to 80 bits)			

Consists of (Part. No)	Description
N232-G2	NOX CMU G2, Card Reader Interface Grade2
T552	DASK case empty, with screws

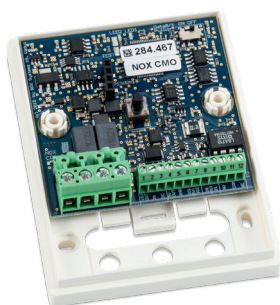
Spare parts	Spare parts
-	-

Normen							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	VdS-C		ECCN 3A991.a.2

## NOX CMO Grade3 VdS-C

NOX CMO / Card Reader Interface with OSDP protocol

Part no.: N233-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption at 15VDC	mA	12.0		18.0
Open Collector Output	mA			25VDC / 500mA
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27		
Weight w/ Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK case)			
Tamper monitoring	Yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	1 Input and 1 Relay Output, potential free (max. 30V/1A) (each max. 30m)			
Offline cards	Up to 204 card codes saved			
Supported Interfaces	RS485 with Open Supervised Device Protocol (OSDP) V 2.1.6			
Supported Devices	Two card reader with PIN Code and Hardware I/O's			

Consists of (Part. No)	Description
N233-G3	NOX CMO G3
T552	DASK case empty, with screws

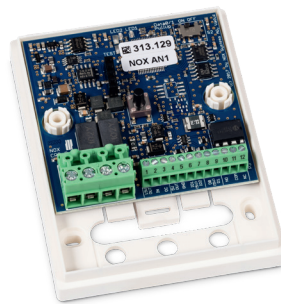
Spare parts	Spare parts
-	-

Standards							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	VdS-C	VSÖ Klasse WS	ECCN 3A991.a.2

## NOX AN1

NOX AN1 / Single Analogue Input Module

Part no.: N205

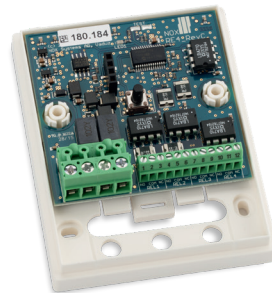


Technical data	Unit	Min.	Nominal	Max.	
AC supply voltage	VDC	9.5	15.0	15.5	
Current consumption at 15VDC	mA	7.0		12.0	
Relay	A			30VDC / 1A	
Environmental temperature	°C	0	25	40	
Air humidity at +40°C (non condensing)	% rF			93	
Sensor Input	V	0-10			
Dimensions (L x W x H)	mm	85 x 66 x 27			
Weight w/ Cover	g	95			
Case protecting class corresponding IEC 60529	IP	20			
Case	Plastic white, (DASK case)				
Tamper monitoring	Yes				
Back tamper detection	Integrated using optical sensor				
Assembly	On wall				
Connecting to the control unit	NOX BUS				
Peripheral Connections	1 Input and 1 Relay Output (each max. 30m)				
Consists of (Part. No)	Description				
N205	NOX AN1				
T552	DASK case empty, with screws				
Spare parts	Spare parts				
-	-				
Standards					
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	ECCN EAR99

## NOX RE4 Grade3 VdS-C

*NOX RE4 G3 / Quad Relays Module Grade3*

Part no.: N122-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption at 15VDC	mA			25.0
Contact rating per relay @ 40°C permanent	A			30VDC / 0.6A
Contact rating per relay @ 40°C up to 5 min				30VDC / 1A
Contact rating per relay @ 40°C up to 5 ms				30VDC / 3A
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27		
Weight w/ Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK case)			
Tamper monitoring	yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	4 programmable electrical relay Outputs (each max. 30m)			

Consists of (Part. No)	Description
N122-G3	NOX RE4 G3

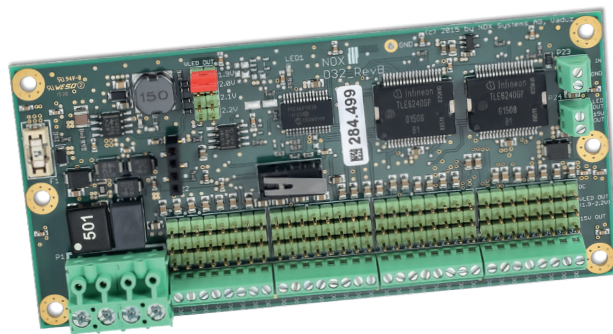
Spare parts	Spare parts
-	-

Standards						
EN 50131-G3	VdS-C G117012	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN EAR99
VSÖ Klasse WS						

## NOX 032

NOX 032 / Output Module OC 32-times

Part no.: N155



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	15.5
Current consumption at 15VDC	mA		18.0	
Open Collector Output 32 pcs.s	mA			300 per Output
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	117 x 55		
Weight (with cover, without batteries)	g	100		
Case protecting class corresponding IEC 60529	IP	20		
Case	None			
Tamper monitoring	Integrated using tamper detector			
Back tamper detection	None			
Assembly	Print only			
Connecting to the control unit	NOX BUS			
Peripheral Connections	1 Input, 32 programmable Open Collector Outputs (each max. 30m)			
Output current oer Open Collector	Max. 300mA			
Consists of (Part. No)		Description		
N155		NOX 032, Output Module OC 32-times		
Spare parts		Spare parts		
-		-		
Standards				
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				ECCN EAR99

# NOX M31

NOX M31 / Mini I/O Module

Part no.: N121

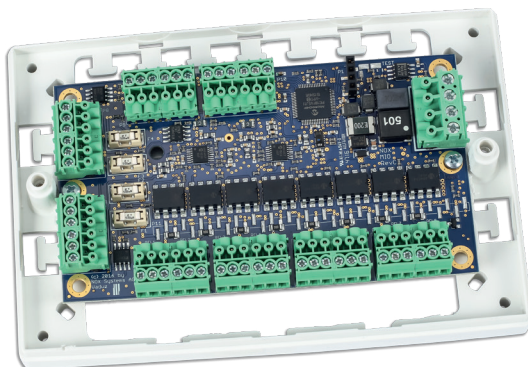


Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	15.5
Current consumption at 15VDC	mA	5.0		7.0
Open Collector Output	mA			15VDC / 50mA
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	28 x 20 x 10		
Weight (with cover, without batteries)	g	50		
Case protecting class corresponding IEC 60529	IP	20		
Case	None			
Tamper monitoring	via detector			
Back tamper detection	None			
Assembly	Installation into detector case			
Connecting to the control unit	NOX BUS			
Peripheral Connections	3 Inputs, 1 Open Collector Output			
Output current per Open Collector	Max. 50mA			
Consists of (Part. No)		Description		
-		NOX M31		
Spare parts		Spare parts		
-		-		
Standards				
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				ECCN EAR99

## NOX MIOe

NOX MIOe / Multi I/O Module ext.

Part no.: N209E-G2

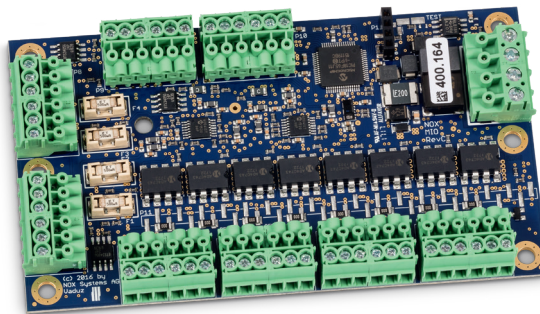


Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption at 15VDC	mA	10.0		80.0
Open Collector Output	A			40VDC / 0.5A
Invrionmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Size print only (L x W x H)	mm	120 x 67.5 x 12		
Dimensions with Case (L x W x H)	mm	150 x 100 x 36		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white			
Tamper monitoring	Integrated using optical sensor			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	8 Inputs, 8 freely progr. relay Outputs, 6 Open Collector Outputs (each max. 30m)			
Output current each Open Collector	Max. 350mA			
Consists of (Part. No)		Description		
N209E-G2		NOX MIOe		
-		Case reworked for MIOe AP		
Spare parts		Spare parts		
-		-		
Standards				
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				ECCN 3A991.a.2

## NOX MIO Grade2

NOX MIO / Multi I/O Module internal Grade2

Part no.: N209-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption at 15VDC	mA	10.0		40.0
Open Collector Output	A			40VDC / 0.5A
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Size print only (L x W x H)	mm	120 x 67.5 x 12		
Size w/ Case (L x W x H)	mm	150 x 100 x 36		
Case	Delivery w/out Case			
Tamper monitoring	Integrated using optical sensor			
Back tamper detection	Integrated using optical sensor			
Assembly	In Control unit			
Connecting to the control unit	NOX BUS			
Peripheral Connections	8 Inputs, 8 freely progr. relay Outputs, 6 Open Collector Outputs (each max. 30m)			
Output current each Open Collector	Max. 350mA			

Consists of (Part. No)	Description
N209-G2	NOX MIO G2

Spare parts	Spare parts
-	Case reworked for MIOe AP
-	Microswitch D2F-01L

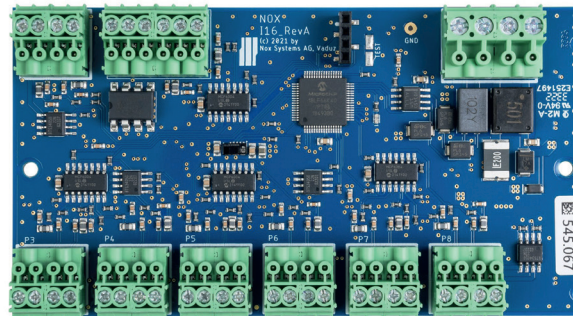
Normen							
EN 50131 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 3A991.a.2



## NOX I16 Grade3

NOX I16, I/O Module 16x

Part no.: N210



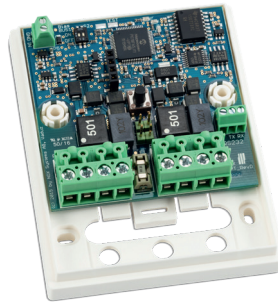
Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption at 15VDC	mA			
Open Collector Output	A			40VDC / 0.35A
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Size print only (L x W x H)	mm	120 x 67.5 x 12		
Size w/ Case (L x W x H)	mm	150 x 100 x 36		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white			
Tamper monitoring	Integrated using optical sensor			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	16 Inputs and 7 Open Collector Outputs (each max. 30m)			
Output current each Open Collector	Max. 350mA			
Consists of (Part. No)		Description		
N210		NOX I16 G3		
Spare parts		Spare parts		
-		-		
Standards				
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				EAR99

## NOX Repeater & Interfaces

### NOX RPT Grade3 VdS-C

NOX RPT/CNV G3 / Bus Repeater/Conv. Grade3

Part no.: N141-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption	mA		20.0	40.0
Cable length P4 RS232 and P5 external Input	m			3
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27		
Weight w/ Cover	g	100		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK case)			
Tamper monitoring	Yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	NOX BUS (new segment) or RS232 (max. 30m)			

Consists of (Part. No)	Description
N141-G3	NOX RPT/CNV G3, Bus Repeater/Conv. Grade3
T552	DASK Case empty, with screws

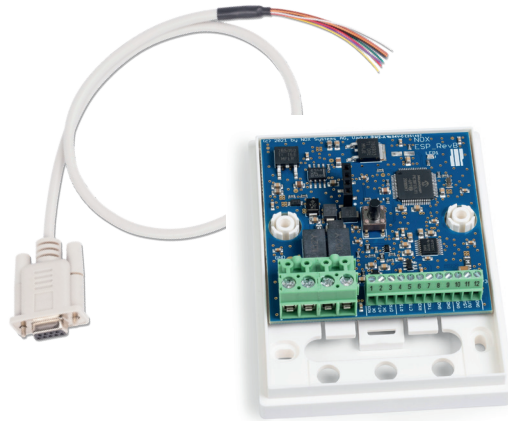
Spare parts	Spare parts
T531 Cable with DB9 PS unit, DB9 cable coupler	-

Standards						
EN 50131-G3	VdS-C G117013	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN 3A991.a.2
VSÖ Klasse WS						

## NOX ESP

NOX ESP / Serial Interface w/ sev. prot.

Part no.: N207-G3

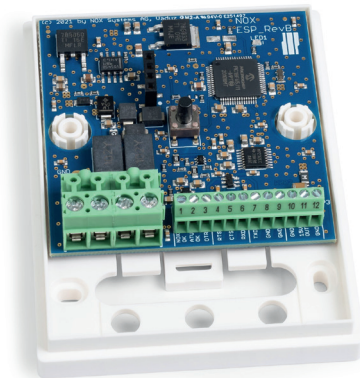


Technical data	Unit	Min.	Nominal	Max.	
AC supply voltage	VDC	9.0	15.0	15.5	
Current consumption	mA	16.0		18.0	
Data rate RS232	Baud	300	9600	115200	
Environmental temperature	°C	0	25	40	
Air humidity at +40°C (non condensing)	% rF			93	
Dimensions (L x W x H)	mm	85 x 66 x 27			
Weight w/ Cover	g	135			
Case protecting class corresponding IEC 60529	IP	20			
Case	Plastic white, (DASK case)				
Tamper monitoring	Yes				
Back tamper detection	None				
Assembly	On wall				
Connecting to the control unit	NOX BUS				
Peripheral Connections	RS232 (Connection to transmission unit) (max. 30m)				
Output	ESPA 4.4.4 / Chiron Iris 800 / SMS Modems				
Consists of (Part. No)	Description				
N147	NOX ESP, Serial Interface w/ sev. prot.				
T552	DASK case empty, with screws				
T531	Cable with DB9 Plug, DB9 cable coupler				
Spare parts	Spare parts				
-	-				
Standards					
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	ECCN 3A991.a.2

## NOX ESP

NOX ESP / Serial Interface w/ sev. prot.

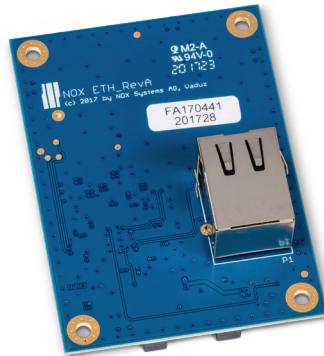
Part no.: N147-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	16.0
Current consumption	mA	16.0		18.0
Data rate RS232	Baud	300	9600	115200
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27		
Weight w/ Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK case)			
Tamper monitoring	Yes			
Back tamper detection	None			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	RS232 (Connection to transmission unit) (each max. 30m)			
Output	ESPA 4.4.4 / Chiron Iris 800 / SMS Modems			
Consists of (Part. No)		Description		
N147		NOX ESP, Serial Interface w/ sev. prot.		
T552		DASK case empty, with screws		
Spare parts		Spare parts		
T531 Cable with DB9 Plug, DB9 Cable Coupler		-		
Standards				
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				ECCN 3A991.a.2

**NOX ETH**  
NOX Ethernet interface

Part no.: N414



Technical data	Unit	Min.	Nominal	Max.
Power supply voltage	VDC		3.3	
Electrical power consumption	mW			120
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	73 x 53 x 25		
Connecting to the control unit	Plug-on module (Extension #2)			
Peripheral Connections	Ethernet 10/100			
Compatible with the model	NOX ONE			

Hauptbestandteile Artikel Nr.	Artikelbezeichnung
-	
-	
-	
Zubehör / Ersatzteile	Zubehör / Ersatzteile
-	-

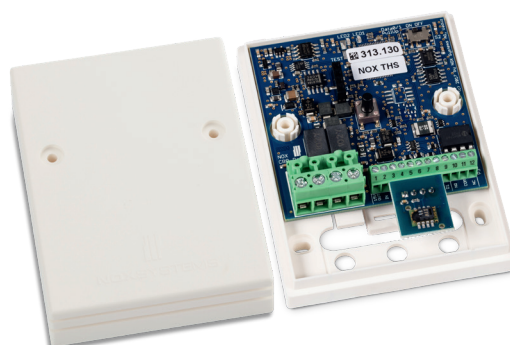
Erfüllte Normen						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991

## NOX Sensors &amp; Detectors

## NOX THSi

NOX THSi (T+H) / Module + internal Sensor

Part no.: N150i

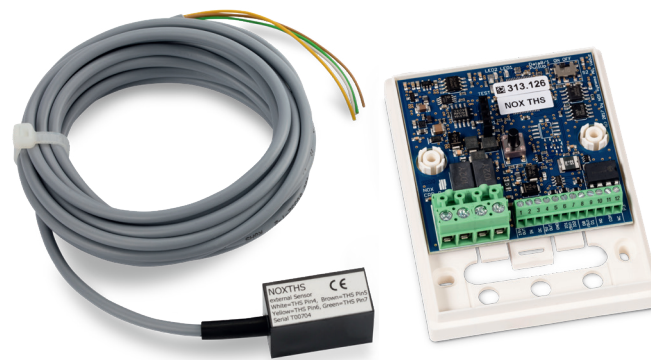


Technisch Daten	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	15.5
Current consumption at 15VDC	mA	12.0		14.0
Relay Output	A			30VDC / 1A
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27		
Weight w/ Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Tested temperature area	°C	0 - +40		
Tested humidity area (Relative Humidity)	RH	0 - 100		
Case	Plastic white, (DASK case) w/ recess for Sensor			
Tamper monitoring	Yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	1 Input, 1 freely programmable relay (each max. 30m)			
Contact rating per relay	Max. 30VDC / 1A (permanent 0.6A)			
Consists of (Part. No)		Description		
-		Module THS w/ Temperature Sensor and Humidity Sensor		
-		Case DASK, cover w/ milling		
Spare parts		Spare parts		
-		-		
Standards				
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				ECCN 3A991.a.2

## NOX THSe

NOX THSe (T+H) / Module + external Sensor

Part no.: N150e



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	16.0
Current consumption at 15VDC	mA	12.0		14.0
Relay Output	A			30VDC / 1A
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27	external Sensor 30 x 20 x15	
Case protecting class corresponding IEC 60529	IP	20	external Sensor IP54	
Weight w/ Cover	g	100		
Tested temperature area	°C	-25 - +75		
Tested humidity area (Relative Humidity)	RH	0 - 100		
Case	Plastic white, (DASK case)			
Tamper monitoring	Yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	1 Input, 1 freely programmable relay (each max. 30m)			
Contact rating per relay	Max. 30VDC / 1A (permanent 0.6A)			
Cable length external Sensor	3m			

Consists of (Part. No)	Description
N191	NOX THS, Meas. Module for T + TH Sensors
N192TH	NOX THsens, Temperature- + Humiditysensor

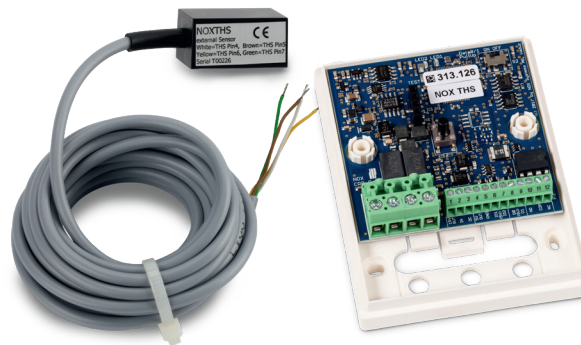
Spare parts	Spare parts
-	-

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 3A991.a.2

## NOX THSt

NOX THSe (T) / Module + external Sensor

Part no.: N150t



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	16.0
Current consumption at 15VDC	mA	12.0		14.0
Relay Output	A			30VDC / 1A
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	85 x 66 x 27	external Sensor 30 x 20 x15	
Case protecting class corresponding IEC 60529	IP	20	external Sensor IP67	
Weight w/ Cover	g	100		
Tested temperature area	°C	-25 - +75		
Tested humidity area (Relative Humidity)	RH	No humidity testing		
Case	Plastic white, (DASK case)			
Tamper monitoring	Yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	1 Input, 1 freely programmable relay (each max. 30m)			
Contact rating per relay	Max. 30VDC / 1A (Permanent 0.6A)			
Cable length external Sensor	3m			

Consists of (Part. No)	Description
N191	NOX THS, Meas. Module for T + TH Sensors
N192T	NOX Tsens, Temperature Sensor external

Spare parts	Spare parts
-	-

Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2



## NOX FLD

NOX FLD / Water Detector + Mounting bracket

Part no.: N802

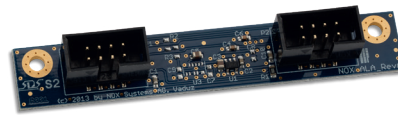


Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8.0	15.0	15.5
Current consumption at 15VDC	mA		5	
Open Collector Output				20V/200mW
Invironmental temperature	°C	0	25	40
Case protecting class corresponding IEC 60529	IP	68	Water- and dustproof	
Dimensions (L x W x H)	mm	55 x 39 x 12		
Weight	g	120		
Case	Plastic grey			
Tamper monitoring	No			
Back tamper detection	None			
Assembly	On wall			
Connecting to the control unit	NOX IO1, IO4 or similar			
Peripheral Connections	1 Open collector max. 20V, 200mW normal aktiv (max. 30m)			
Detectable liquids	All with conductivity smaller than 150µs			
Cable length	3m			
Consists of (Part. No)		Description		
N802		NOX FLD, Water Detector + Mounting bracket		
Spare parts		Spare parts		
-		-		
Standards				
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1
				ECCN EAR99

## NOX ALA

NOX ALA RevA / Back Tamper Sensor

Part no.: N257



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage from NOX PS5	VDC	8.0	15.0	16.5
Current consumption at 15VDC	mA		0.5	
Invironmental temperature	°C	0		60
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	84x14x12		
Weight w/ Cover	g	30		
Case	W/out case			
Tamper monitoring	No			
Back tamper detection	Using optical sensor			
Distance measuring Sensor distance	mm	5	40	100
Assembly	With Connection cable to NOXPS5 (8Pol Ribbon cable)			
Connecting to the control unit	Via NOX PS5 Rev.B			

Consists of (Part. No)	Description
N257	NOX ALA RevA, Back Tamper Sensor

Supplies for	Supplies for
N101 NOX SYS all models	
N264 NOX XL G3	

Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN EAR99

## NOX TEP

NOX TEP / RevA, Battery Temperature Sensor

Part no.: N256

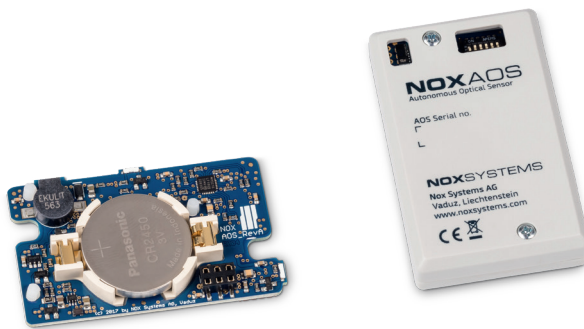


Technical data	Unit	Min.	Nominal	Max.			
AC supply voltage from NOX PS5	VDC	8.0	15.0	16.5			
Current consumption at 15VDC	mA			0.1			
Invironmental temperature	°C	0		60			
Air humidity at +40°C (non condensing)	% rF			93			
Dimensions (L x W x H)	mm	33x18x12					
Weight w/ Cover	g	20					
Case	W/out case						
Tamper monitoring	No						
Back tamper detection	No						
Assembly	Into control unit case at the battery						
Connecting to the control unit	Via NOX PS5 Rev.B						
Consists of (Part. No)	Description						
N256	NOX TEP RevA, Battery Temperature Sensor						
Supplies for	Supplies for						
N101 NOX SYS all models							
N264 NOX XL G3							
Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN EAR99

## NOX AOS

NOX AOS / picture detector system

Part no.: P103



Technical data	Unit	Min.	Nominal	Max.
Power Supply	battery powered operation with 1x Lithium CR2477			
Battery lifetime	Months	2	3	5
Battery voltage	VDC	2.7	3.0	3.3
Invironmental temperature	°C	0	25	40
Humidity +40°C	% rF			93
Dimensions (LxBxH)	mm	61 x 38 x 14		
Weight with batbery	g	35		
Housing protection class according to IEC 60529	IP	30		
Case	Plastic grey			
Assembly	Simple assembly			
Connecting to the control unit	Stand Alone solution			
	Via buzzer and visual Led flash			
Consists of (Part. No)		Description		
P103		NOX AOS		
T705		Battery 1x 3V CR2477		
Supplies for		Supplies for		
T705 Battery 1x 3V CR2477		-		
Standards				
				ECCN EAR99

# NOX Wireless Modules

## NOX TXO V2

NOX TXO V2 / optical wireless picture detector

Part no.: P118



The LoRa® Mark and Logo are trademarks of Semtech Corporation

Technical data	Unit	Min.	Nominal	Max.
Power supply	Battery running with 2x primary cells Lithium CR2477			
Battery life expectancy	Years	2	3	
Battery voltage	VDC	2.7	3.0	3.3
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	75 x 60 x 14		
Weight w/ Cover with battery	g	65		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white			
	Wireless, internal buzzer (disengageable)			
Assembly	With screw or with tape			
Connecting to the control unit	Via NOX LRG Receiver via Ethernet cable			
Wireless range	Inside the building: Several floors			
Frequency band	868 MHz / ISM Band (Industrial, Scientific and Medical Band)			
Wireless technology	Bidirectional, Broad-spectrum modification, encoding AES128			
	Frequency hopping, adaptive power adjustment, automatic search of gateway			

Consists of (Part. No)	Description
P118	NOX TXO V2, optical wireless picture detector
T705	Batteries 2x CR2477

Spare parts	Spare parts
-	-

Standards	
	ECCN 3A991.a.2



## NOX LRGv2

NOX LRGv2 / Wireless Gateway with LoRa® v2

Part no.: P225



The LoRa® Mark and Logo are trademarks of Semtech Corporation

Technical data	Unit	Min.	Nominal	Max.
Power supply	external power supply 230VAC/48VDC			
Power input	VDC		48	
Electrical power consumption	W		20	
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	cm	13 x 13 x 6 (without antenna)		
Weight w/ Cover	g	1000		
Case protecting class corresponding IEC 60529	IP	20		
Case	Metal housing black			
Drill detection	None			
Back tamper detection	None			
Assembly	Indoor			
Connecting to the control unit	via Ethernet cable			
Wireless range	Inside the building: several floors			
Frequency band	868 MHz			
Wireless technology	with the latest loRa® wireless technology, Bidirectional, Broad-spectrum modification, frequency hopping, adaptive power adjustment			
Consists of (Part. No)		Description		
P225		NOX LRGv2, Wireless Gateway with LoRa®		
incl.		Power supply 230VAC/48VDC		
Spare parts		Spare parts		
P118 NOX TX0 V2		T705 Battery 2x 3V CR2477		
Standards				
		ECCN 3A992.c		

## NOX RXP

NOX RXP / Wireless receiver Paradox Magellan

Part no.: P221



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	15.5
Current consumption at 15VDC	mA			56.0
AC supply frequency	Hz			
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H)	mm	172 x 155 x 28 (Antenna Integrated)		
Weight w/ Cover	g	350		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white			
Tamper monitoring	Mechanical switch			
Back tamper detection	None			
Assembly	On wall			
Connecting to the control unit	NOX Bus			
	Via wireless			
Supported Paradox wireless magnetic contacts	MG DCT-2	DCTXP-2		
Supported Paradox wireless motion contacts	PMD1P	PMD2P		
Supported Paradox wireless broken glass detector	G550			
Supported Paradox wireless fire detector	WS588P			
Supported Paradox Remote controls	REM15	REM2	REM101	
Consists of (Part. No)		Description		
P221		NOX RXP, Wireless Receiver Paradox		
-		Adapter module onto NOX Bus built in ParadoxCase		
Spare parts		Spare parts		
-		-		
Standards				
				ECCN EAR99

## NOX Communication

### NOX SMSv4 NOX SMSv4 / LTE Modem

Part no.: N280



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	15.5
Current consumption at 15VDC	mA		50.0	100.0
Invironmental temperature	°C	-40	25	85
Air humidity at +40°C (non condensing)	% rF			93
Dimensions Modem (L x W x H)	mm	113.5 x 60		
Dimensions ESP (L x W x H)	mm	85 x 66 x 27		
Weight ESP with Modem	g	400 (ESP Modul 95)		
Case protecting class corresponding IEC 60529	IP	20		
Case ESP	Plastic white, (DASK case)			
Case Modem	Aluminium			
Antenna connection	SMA Female connection for external antenna			
Wireless technology	LTE release 13 frequencies 4G+3G+2G			
Connecting to the control unit	NOX BUS			
Peripheral Connections	RS232 SMS Modem			

Consists of (Part. No)	Description
N147-G3	NOX ESP
N199	MultiTech Modem LTE, 4G+3G+2G
-	Antenna Multiband Paddle with SMA

Spare parts	Spare parts
N281 Exchange Modem for NOX SMS with Antenna	

Erfüllte Normen							
EN 55022 Kl. B	EN 55024	EN 301 511	EN301 489-1	EN301 489-7	IEC 60950-1		ECCN 3A991



## NOX MXA Components

NOX MXA Components, Bus Extension

Part no.: N201



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9.0	15.0	15.5
Current consumption at 15VDC	mA		50.0	110.0
Number of NOX Bus components	Piece			127
Environmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (L x W x H) RPT	mm	85x66x27		
Dimensions (L x W x H) MXA	mm	80x50x15		
Weight RPT & MXA	g	300		
Case protecting class corresponding IEC 60529	IP	20		
Case Modem	Aluminium			
Tamper monitoring	None			
Back tamper detection	None			
Connecting to the control unit	Via TCP/IP Ethernet			
Peripheral Connections	Up to 126 NOX BUS components			

Consists of (Part. No)	Description
-	MOXA N Port 5110 A
-	Cable with DB9 plug
-	Case DASK reworked

Spare parts	Spare parts
-	-

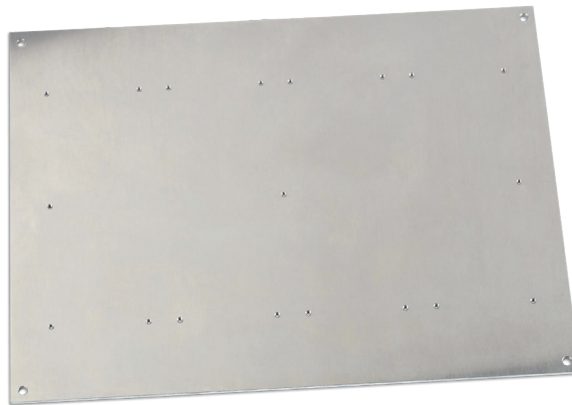
Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 5A991

## NOX Installation Accessories

### NOX Mounting plate 8

Mounting plate 8 empty / for 8 DASK cases

Part no.: T501



Technical data	Unit	Min.	Nominal	Max.
Dimensions (L x W x H)	mm	300 x 227 x 3		
Base plate	Aluminium			
-	16xM3 thread for the attachment of 8 DASK cases			
-	3xM3 thread for attaching a 30mm cable duct			
-	4x4.5mm drill holes for the assembly of the aluminium plate			
Consists of (Part. No)	Description			
T501	Mounting plate 8 empty, for 8 DASK cases			
Spare parts	Spare parts			
T552 Case DASK	-			
Standards				

## NOX Mounting plate 8 armed, wired

Mounting plate 8 complete w/ DASK cases

Part no.: T502



Technical data	Unit	Min.	Nominal	Max.
Dimensions (L x W x H)	mm	300 x 227 x 3		
Weight	kg	1.3		
Case protecting class corresponding IEC 60529	IP	20		
Base plate	Aluminium			
Mounting	16xM3 thread for the attachment of 8 DASK cases			
	3xM3 thread for attaching a 30mm cable duct			
	4x4.5mm drill holes for the assembly of the aluminium plate			

Consists of (Part. No)	Description
T501	Mounting plate 8 empty, for 8 DASK cases
-	Cable duct wide for 8 plates
T552	DASK case empty, with screws
T527	Cable NOX Bus 8, with 8 Bus Plugs

Spare parts	Spare parts
T527 Cable NOX BUS, 8 BUS Plug for assembly plate	-

Standards

## NOX Mounting plate 4

*Mounting plate 4 empty / for 4 DASK cases*

Part no.: T505



Technical data	Unit	Min.	Nominal	Max.
Dimensions (L x W x H)	mm	227 x 165 x 3		
Base plate	Aluminium			
Mounting	8xM3 thread for the attachment of 4 DASK cases			
	2xM3 thread for attaching a 30mm cable duct			
	4x4.5mm drill holes for the assembly of the aluminium plate			
Consists of (Part. No)	Description			
T505	Mounting plate 4 empty, for 4 DASK cases			
Spare parts	Spare parts			
T526 Cable NOX BUS, 4 BUS Plug for assembly plate	T552 case DASK			
-	Cable duct wide for 4 plates			
Standards				

## NOX Mounting plate 4, wired

*Mounting plate 4 complete w/ DASK cases*

Part no.: T506



Technical data	Unit	Min.	Nominal	Max.
Dimensions (L x W x H)	mm	227 x 165 x 3		
Weight w/ Cover	g	800		
Case protecting class corresponding IEC 60529	IP	20		
Base plate	Aluminium			
Mounting	8xM3 thread for the attachment of 4 DASK cases			
	2xM3 thread for attaching a 30mm cable duct			
	4x4.5mm drill holes for the assembly of the aluminium plate			

Consists of (Part. No)	Description
T505	Mounting plate 4 empty, for 4 DASK cases
-	Cable duct wide for 4 plates L=300mm
T552	DASK case empty, with screws
Z526	Cable NOX Bus 4, with 4 Bus Plugs

Spare parts	Spare parts
-	-

Standards

## NOX BUS connector

*NOX BUS connector 4pol. Phoenix green*

Part no.: T555



Technical data	Unit	Min.	Nominal	Max.
Connection	4 terminals			
Consists of (Part. No)	Description			
	NOX BUS connector in 20 pieces Set			

## NOX I/O connector

*NOX I/O connector 6pol. Phoenix green*

Part no.: T558



Technical data	Unit	Min.	Nominal	Max.
Connection	6 Terminals			
Consists of (Part. No)	Description			
	NOX BUS connector in 10 pieces Set			

## NOX USB Cable

*Cable USB to MB RevCx*

Part no.: T530



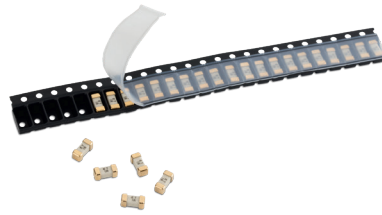
Technical data	Unit	Min.	Nominal	Max.
Size (L)	mm	60		
Connection	USB Cable socket Type A female			
Consists of (Part. No)	Description			
T530	Cable USB to MB RevCx			
Spare parts	Spare parts			
-	-			
Standards				
-	-			

## NOX Fuses

### NOX Fuse 500mA

*SMD Fuse 500mA slow blow, 25 pieces*

Part no.: N301



Technical data	Unit			
Producer	Littelfuse			
Type	SMD Fuse Serie 452			
Description	Nano 2 (6.1 x 2.69mm)			
Size	2410			
Value	500mA			

### NOX Fuse 1A

*SMD Fuse 1A slow blow, 25 pieces*

Part no.: N302

Technical data	Unit			
Producer	Littelfuse			
Type	SMD Fuse Serie 452			
Description	Nano 2 (6.1 x 2.69mm)			
Size	2410			
Value	1A			

### NOX Fuse 2A

*SMD Fuse 2A slow blow, 25 pieces*

Part no.: N303

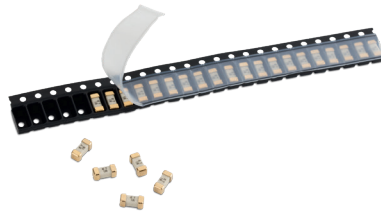
Technical data	Unit			
Producer	Littelfuse			
Type	SMD Fuse Serie 452			
Description	Nano 2 (6.1 x 2.69mm)			
Size	2410			
Value	2A			



## NOX Fuse 3A

*SMD Fuse 3A slow blow, 25 pieces*

Part no.: N304



Technical data	Unit			
Producer	Littelfuse			
Type	SMD Fuse Serie 452			
Description	Nano 2 (6.1 x 2.69mm)			
Size	2410			
Value	3A			

## NOX Fuse 5A

*SMD Fuse 5A slow blow, 25 pieces*

Part no.: N305

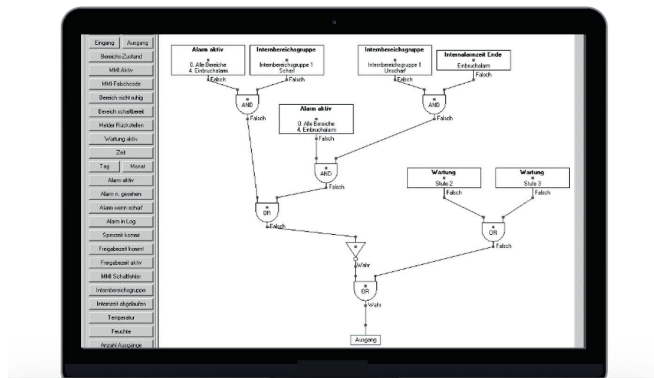
Technical data	Unit			
Producer	Littelfuse			
Type	SMD Fuse Serie 452			
Description	Nano 2 (6.1 x 2.69mm)			
Size	2410			
Value	5A			

# NOX Software Licence

## SW NOX Config

SW NOX Config, SW NOX Config, Configuration Software

Part no.: S400

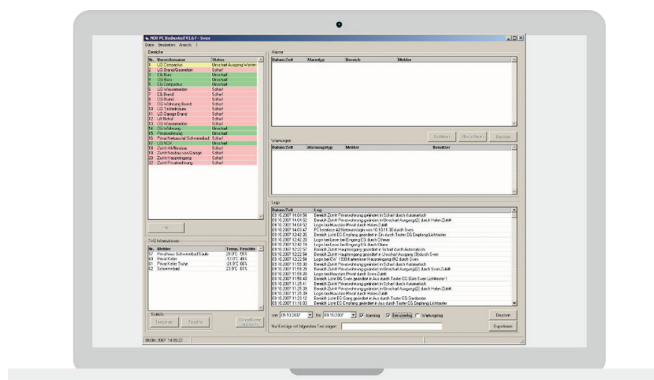


Technical data	
Configuration and maintenance software for the installation of NOX Security systems	
System software update	Managing of custom configurations
Detailed system information	
Maintenance functions	
Retrieval of logs	
Online Terminal window with real time system state information	Licence: none
	ECCN EAR99

## SW NOX PC Control Panel

SW NOX PC Control Panel, PC Software

Part no.: S401

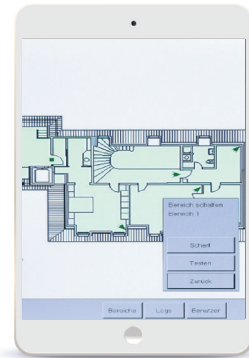


Technical data	
Simple PC Control Panel for the end costumer. Enables an easy and fast operation of the system.	
Setting areas	Control of picture detectors (incl. battery voltage)
Deactivation / activation of detectors	Users and user profile management
Display and acknowledgment of s and warnings	Time profiles and holidays
Display of all system logs	Building floor plan is not supported
Display of current temperature / humidity sensor data / long term statistic	Configuration: no special confiuration needed
Changing of temperature / humidity warning and levels	Licence: none
	ECCN 50002.c.1 / 5D992.c

## SW NOX PCTPA

SW NOX PCTPA Licence

Part no.: S100



Technical data	
The NOX Touch Panel Software (TPA) was made for the usage on PC (with or without Touch Panel). The system can be controlled directly on the building's floor plans. This software can also be used with building automation or home automation panels.	
Setting area states	Display of system logs
Deactivation / activation of detectors	User code administration
Display and acknowledgment of s and warnings	
Display of temperature / humidity	Licence: Licence per control unit
	ECCN 50002.c.1 / 5D992.c

## SW NOX SIMS V6

SW Lizenz für SIMS V6 für Lite/SYS/XL

Bestell Nr.: S410



Technical data	
Professional security management system that can be connected up to 512 NOX control units and a maximum of 32 client workstations. Supports various intrusion , fire and building services control panels.	
1 Licence per CPU	
Connection with up to 512 NOX control units (via fixed IP addresses) simultaneously, one licence required per NOX control unit.	
Connection with up to 32 client workstations simultaneously.	
	ECCN 5D002.c.1 / 5D992.c

## SW SIMS V6 ONE

SW Lizenz für SIMS V6 für NOX ONE

Bestell Nr.: S411



### Technical data

Professional security management system that can be connected up to 512 NOX control units and a maximum of 32 client workstations. Supports various intrusion, fire and building services control panels.

1 Licence per CPU

Connection with up to 512 NOX control units (via fixed IP addresses) simultaneously, one licence required per NOX control unit.

Connection with up to 32 client workstations simultaneously.

ECCN 5D002.c.1 / 5D992.c

## SW NOX Logger

SW NOX Logger, Standalone Logger

Part no.: S402



### Technical data

Saves all system logs for further evaluations as text file on a PC or server. Therefore enables an almost unlimited recording of all system actions (into a text file). Statistic data of all temperature and humidity sensors are also recorded.

Licence: free

ECCN 50002.c.1 / 5D992.c

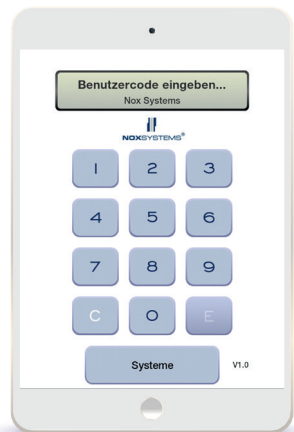
## NOX Smart Applications Apps



### App iNOX Apple App NOX iNOX

Part no.: ----

Technical data	
App to control the NOX System via smartphones and tablets with iOS operating system. Supports s and warnings, setting areas and the display of log messages of the NOX system.	
Temperature and humidity sensors	Receive push messages
Graphical displays of temperature and humidity	Licence: none
User administration	ECCN EAR99



### App NOX for Android Android App NOX for Android

Part no.: ----



Technical data	
Apps to control the NOX security systems via smartphones, tablets or netbooks with Android operation system. Supports s and warnings, setting areas and the display of log messages of the NOX system and the display of log messages of the NOX system.	
One customer-bound licence (Google account)	User administration
Display of input states	Receive Push messages
For maintenance: Display NOX Terminal (as in NoxConfig Tool)	Licence: none
Display and control of output states	ECCN EAR99

## SW NOX iNOX IOS

SW NOX iOS Licence for Floor Plans

Part no.: S408



Technical data	
Adds floor plans and access to live cameras to the iNOX application or NOX for Android.	
NOX security systems can be monitored and controlled directly via ground plans.	
Licence: per NOX CPU	
	ECCN EAR99

## SW NOX Simons Voss SmartIntego

SW Licence for SimonVoss SmartIntego Lock

Part no.: S409



Technical data	
Integration of a LockNode or SmartHandle	
PHI code of the lock	
Licence: per Handle / Lock	
	ECCN EAR99

## NOX Software Upgrade

### Upgrade Lite -> Prof

*SW NOX Control Unit Licence Lite -> Prof*

Part no.: S101

Software Upgrade

Software Upgrade from Lite to Professional

### Upgrade Lite -> Corporate

*SW NOX Control Unit Licence Lite -> Corp*

Part no.: S102

Software Upgrade

Software Upgrade from Lite to Corporate

### Upgrade Prof -> Corporate

*SW NOX Control Unit Licence Prof -> Corp*

Part no.: S103

Software Upgrade

Software Upgrade from Professional to Corporate

## NOX Software Licence overview

## Software Features NOX SYS & XL



Functionality	Lite	Professional	Corporate	Corporate iOS
Number of Users	50	100	unlimited (10'000)	unlimited (10'000)
Number of Areas	20	40	unlimited (800)	unlimited (800)
Number of Time profiles	3	5	unlimited (400)	unlimited (400)
Connection to SIMS Control System	yes, with licence	yes, with licence	yes, with licence	yes, with licence
Simons Voss Smart Intego	yes	yes	yes	yes
SIA IP	yes	yes	yes	yes
NOX TIO w/out IP, w/out Telnet	yes	yes	yes	yes
NOX TIO complete	no	yes	yes	yes
IP BUS Expansion NPort	no	yes	yes	yes
SMTP Alarm by mail	no	yes	yes	yes
SNMP Client Ethernetmanag.	no	yes	yes	yes
Smart App Interface	no	yes	yes	yes
Master / Slave Feature	only for Slave	only for Slave	Master / Slave	Master / Slave
Master Control Unit	no	no	yes	yes
Modbus Server TCP	no	no	yes	yes



## Software Features NOX SYS & XL



Functionality	Lite	Professional	Corporate	Corporate iOS
Modbus Client TCP	no	no	yes	yes
iNOX for Floor Plans	no	no	no	yes
Alarm Log	2000	2000	2000	2000
User Log	6000	6000	6000	6000
Archiv User Log	99'999	99'999	99'999	99'999
Maintenance Log	2000	2000	2000	2000

## Software Functions NOX ONE

Software limitations	Quantity
Bus Participants	127
Number of Areas	100
Number of Users	1000
User Profiles	20
Number of Time profiles	50
Log entries	10'000



Software Functions	supports	Software Functions	supports
NoxConfig (Configuration / Maintenance)	yes	Standard NOX BUS Components	yes
PC Control Panel	yes	CEI ABI protocol	yes
NOX TPA / NOX PC TPA	yes, subject to licensing	Paradox Wireless Receiver	yes
NOX TXO	no	Acter / Glutz Fingerprint Reader	no
SIMS	yes, subject to licensing	EMAIL (smtp)	yes
3. Manufacturer Integration via ActiveX	yes	- Modbus IP server/client - 40 Requests per second with max. 127 Register	yes, from System Version R8 (V10.50w)
iNOX	yes	SSH (secure shell)	no
iNOX Floor plans	yes, subject to licensing	CPUs	no
NOX for Android	yes	SNMP	no
Master/Slave Systems	only for Slave	VdS 2464 IP	no
SIA IP inkl. AES Verschlüsselung	yes	Southwest Microwave Integration	no
NTP Time Synchronisation	yes	IP Buses	no
Simons Voss Smart Intego Integration	yes	NOX Bus Gateways (Thor, S8, etc)	no
NOX TIO mit Ethernet Communication	yes		

## Certification/Registration



Certified NOX Components	EN50131+ SES Grade2	EN50131+SES Grade3	SBSC SSF1014 Ed.5 Grade3	VdS Class C	VSÖ Class WS or GS-H
N101-G2 NOX SYS Grade2	certified				
N101-G3 NOX SYS Grade3	certified	certified	certified		certified
N101-G4 NOX SYS Grade4					
N415-G3 NOX ONE T30		commissioned			
N415-G3-L NOX ONE T30 Lite		commissioned			
N415-G3-S NOX ONE T30 Slave		commissioned			
N267-G3 NOX CPA	certified	certified		certified	certified
N266-G3 NOX CPA M	certified	certified		certified	certified
N264-G3 NOX XL Grade3,VdS-C	certified	certified		certified	certified
N401-G3 NOX ONE Grade3	certified	certified	certified		certified
N104-G2 NOX PS5 in housing Grade2	certified				
N104-G3 NOX PS5 in housing Grade3	certified	certified		certified	certified
N265-G3 NOX PS5 XLGrade3, VdS-C	certified	certified		certified	certified
N250-G2 NOX UPE Grade2	certified	certified			
N119-G2 NOX IO4 Grade2	certified				
N119-G3 NOX IO4 Grade3	certified	certified		certified	
N232-G2 NOX CMU Grade3	certified	certified		certified	
N233-G3 NOX CMO Grade3	certified	certified		certified	certified
N122-G3 NOX RE4 Grade3	certified	certified		certified	certified
N209-G2 NOX MIO Grade2	certified				
N141-G3 NOX RPT Grade3	certified	certified		certified	certified

## Notes



**NOXSYSTEMS**

perfecting your sense of security

Your specialist partner

**Nox Systems AG**

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