

POE PRODUCT DATA SHEET / TECHNICAL DATA

Name, article number and e-number

Name	Article number	E-number (SV)
PoE Switch 4p Expansion Kit	A-OT00004PU01	5171954

More information



About PoE from Milleteknik

The series is designed to power PoE devices such as access systems, surveillance cameras and other equipment that can be operated with Power over Ethernet.

POE SWITCH 4P EXPANSION KIT

Card to expand the number of PoE ports.

Power over Ethernet from Milleteknik

- PoE for security applications.
- Proven, reliable technology.
- For fixed installation.
- Swedish made.

Limitations

**IMPORTANT**

Note that 802.3at type2 is not supported, as the PoE card lacks a handshake function for type 2. [Read more.](#) [1]

The product is tested and verified against Axema access systems and Dinbox access systems and is therefore recommended for use only with these systems. The product is currently not recommended for other products that have an af/at handshake procedure. The product deviates from standard IEEE 802.3af per port and IEEE 802.3at as the power is modified to be used together with Axema passer system and Dinbox passer system, which leads to shortcomings, (PoE-connected product does not start), against products that require handshake.

Areas of use

- Power supply for camera surveillance and other applications that can be powered by PoE.
- For expanding PoE with more PoE ports.

Fixed installation

The product is intended for fixed installation. The battery backup must be installed by a qualified installer.

REGULATIONS AND CERTIFICATIONS

Requirements that the product meets

EMC:	EMC Directive 2014 / 30EU
Electricity:	Low voltage directive: 2014/35 / EU EN 60950-1
PoE:	IEEE 802.3af, IEEE 802.3at/30.8 W Note that 802.3at type2 is not supported, as the PoE card lacks a handshake function for type 2.
CE:	CE directive according to: 765/2008



EXPECTED OPERATING TIME IN THE EVENT OF A POWER FAILURE (WITH NEW BATTERIES)

PoE	Bat-tery	Power 15.4 W	Power 30.8 W	Power 62 W	[sv] Ef-fekt 90 W	Power 100 W	Power 120 W	Power 180W	Power 240 W

CIRCUIT BOARDS - TECHNICAL DATA

Technical data: PoE card

LIMITATIONS



IMPORTANT

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Prod-uct	Number of PoE / LAN ports	Max power per port	PoE budget	Ethernet type	Net-work ports	Inter-face	Func-tions	Type, injec-tor and switch

The product lacks advanced control electronics

This product does not have a motherboard.

POWER SUPPLY

This product does not have a built-in power supply unit

There is no power supply in this product, power is supplied from a 24 V source.

TECHNICAL DATA ENCLOSURES

Enclosures - Technical Data S

Info	Explanation
Name	B2
Enclosure class	IP 20
Measure	Height: 127, width: 71, depth: 61 mm
Mounting	Wall
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% ~ 90% relative humidity
Material	Powder coated sheet
Color	White
Cable entries, number	2
Batteries that fit	1 pc 12 V 2.3 Ah or
Place for fan	No

Enclosures - Technical Data S

Info	Explanation
Name	B3
Enclosure class	IP 20
Measure	Height: 200, width: 146, depth: 57 mm
Mounting	Wall
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% ~ 90% relative humidity
Material	Powder coated sheet
Color	White
Cable entries, number	2
Place for fan	No

Enclosures - Technical Data S

Info	Explanation
Name	S
Enclosure class	IP 20
Measure	Height: 230 mm, width: 216 mm, depth: 85 mm.
Height units	-
Mounting	Wall
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% ~ 90% relative humidity
Material	Powder coated sheet
Color	White
Cable entries, number	3
Batteries that fit	1 pc 12 V 2.3 Ah or 2 pcs 12 V 2.3 Ah or
Place for fan	No

Enclosures - Technical Data M

Info	Explanation
Name	M
Enclosure class	IP 20
Measure	Height: 242 mm, width: 350 mm, depth: 150 mm.
Height units	-
Mounting	Wall
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% ~ 90% relative humidity
Material	Powder coated sheet
Color	White
Cable entries, number	5
Batteries that fit	2 pcs 12 V 7.2 Ah or 2 pcs 12 V 14 Ah.

Enclosures - Technical Data - XM

Info	Explanation
Name	XM
Enclosure class	IP 20
Measure	Height: 209 mm, width: 429 mm, depth: 196 mm.
Height units	5 HE
Mounting	Wall or 19 "rack.
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% ~ 90% relative humidity
Material	Powder coated sheet
Color	Black
Cable entries, number	4
Place for fan	Yes

Enclosures - Technical Data FLX S

Info	Explanation
Name	FLX S
Enclosure class	IP 32
Measure	Height: 222 mm, width 437 mm, depth 145 mm
Height units	5 HE
Mounting	Wall or 19 "rack
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% ~ 90% relative humidity
Material	Powder coated sheet
Color	Black
Cable entries, number	4
Batteries that fit	2 pcs 7.2 Ah or
Place for fan	Yes

Enclosures - Technical Data FLX M

Info	Explanation
Name	FLX M
Enclosure class	IP 32
Measure	Height: 224 mm, width 438 mm, depth 212 mm
Height units	5 HE
Mounting	Wall or 19 "rack
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% ~ 90% relative humidity
Material	Powder coated sheet

Info	Explanation
Color	Black
Cable entries, number	
Batteries that fit	

Enclosures - Technical Data FLX L

Info	Explanation
Name	FLX L
Enclosure class	IP 32
Measure	Height: 444 mm, width 438 mm, depth 212 mm
Height units	10 HE
Mounting	Wall or 19 "rack
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% ~ 90% relative humidity
Material	Powder coated sheet
Color	Black
Cable entries, number	4
Batteries that fit	2 st 12 V 45 Ah
Place for fan	Yes

Enclosure

Technical data	
Product description	AX Compact device cabinet, BHD: 380x380x210 mm, stainless steel plate, with mounting plate, with a door, a swivel lock.
Article number:	AX 1380,000
Material	Cabinet: Stainless steel plate. Door: Stainless steel sheet. Ambient foamed PU seal.
Color	Stainless steel
Enclosure class NEMA	NEMA 1, 3R, 4, 12
Enclosure class IP according to EN 60 529	IP 66
Type classification corresponding to UL 50E	Type 1, 3R, 4, 12
IK code	IK10
Dimension	Width: 380 mm, height: 380 mm, depth: 210 mm.
Lock	Version for lock: Swivel lock: 1. Lock insert: 3 mm double lock.
Weight / pack	9.48 kg

More technical data for enclosure can be downloaded from the manufacturer's website

www.rittal.com

Compact cabinet AX 380x380x210

E-number: 25 039 11

Enclosure

Technical data for enclosure can be downloaded from the manufacturer's website

www.se.com

E-number: 2578255

Article number: NSYS3D6425P

Technical data 1U

Info	Explanation
Name	1U
Enclosure class	IP 20
Measure	Height: 44 mm, width: 244 mm, depth: 280 mm.
Height units	1

Info	Explanation
Mounting	19 "rack
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% ~ 90% relative humidity
Material	Powder coated sheet metal
Color	Black
Cable glands, number	8

Technical data 2U

Info	Explanation
Name	1U
Enclosure class	IP 20
Measure	Height: 88 mm, width: 244 mm, depth: 280 mm.
Height units	2
Mounting	19 "rack
Ambient temperature	+ 5 ° C - + 40 ° C. For best battery life: + 15 ° C to + 25 ° C.
Environment	Environmental class 1, indoors. 20% ~ 90% relative humidity
Material	Powder coated sheet metal
Color	Black
Cable glands, number	8

Enclosures - Technical Data PoE injector 4p

Info	Explanation
Name	PoE Injector Cabinet
Protection class	N/A
Measure	Height: 117 mm, width 155 mm, depth 135 mm
Mounting	Wall or DIN rail.
Ambient temperature	+5 °C - +40 °C.
Material	Powder coated sheet metal
Color	Black

PC-SDS-LAMP2

Technical data

Battery capacity:	14 Ah, 1 x 12 V 14 Ah for two lamps (1 pc USL-12-14). 28 Ah, 2 sr. 12 V 14 Ah at four lamps, (2 pcs USL-12-14).
Lamps:	Two halogen lamps 12 V, 55 W.
Dimensions, H x W x D:	200 (340 including lamps) x 300 x 200 mm.
Weight:	9.5 Kg (including batteries but without lights).
Enclosure:	Polycarbonate (PC)
IP class:	IP65

LINK TO THE LATEST INFORMATION

Products and software are subject to updates, you will always find the latest information on our website.

[PoE series](#)

WARRANTY, SUPPORT, COUNTRY OF MANUFACTURE AND COUNTRY OF ORIGIN

Warranty

The product has a two-year warranty, from the date of purchase (unless otherwise agreed). Support during the warranty period can be reached at support@milleteknik.se or telephone, +46 31-34 00 230. Compensation for travel and / or working hours in connection with locating faults, installing repaired or replaced goods is not included in the warranty. Contact Milleteknik for more information. Milleteknik provides support during the product's lifetime, however, no later than 10 years after the date of purchase.

Switching to an equivalent product may occur if Milleteknik deems that repair is not possible. Support costs may (at Milleteknik's discretion) occur after the warranty period has expired.

Support

Do you need help with installation or connections? Our support phone is available: Monday-Thursday 08: 00-16: 00 and Fridays 08: 00-15: 00. Telephone support is closed between 11: 30-13: 15.

You can also send e-mail, we respond, on weekdays, usually in 24 hours.

Phone: +46 31-340 02 30

SPARE PARTS

Support handles questions about spare parts, see contact information above.

Country of manufacture

Country of manufacture / country of origin is Sweden. For more information, contact your seller.

Designed and produced by: Milleteknik AB

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BATTERIES - RECOMMENDED, NOT INCLUDED

Batteries are not included they are sold separately

Batteries are sold separately.