

# Resilient Surveillance Networks

## X-Net Accessories

Racks and PSU's for COE X-Net® and COE X-Stream® products



Digital Barriers

The X-Net Rack and X-Net Box options with power supplies provide universal housing and power options for the Digital Barriers range of X-Net fibre transmission and X-Stream IP products.

### XNETRACK: Practical and flexible operational benefits

At 19", the X-Net Rack fits industry standard cabinets, and may be back-to-back mounted in 600mm and 800mm deep two sided cabinets. Due to the front mounting design of X-Net & X-Stream modules, back-to-back mounting is a great space saving feature, as all the important ports and connectors are conveniently located at the front of the Rack.

The X-Net Rack provides 14 identical slots for card and power supply mounting. Up to two power supplies may be fitted if dual redundant, hot swap power source operation is required. The hot swap feature ensures all modules may be changed without powering down the whole chassis.

The X-Net Rack also provides external 12V d.c. connection points for use with external professional power supplies – typically used in N+1 power supply arrangements. In this scenario the internal power supplies are not required and the space used for transmission cards. This higher density solution saves significant space within the cabinet and also allows for efficient heat management.

Power supply options include a.c. mains modules and 48V d.c. modules for a wide range of industrial and transport applications.

### XNETBOX: single, double and triple card slot wall/cabinet mounted housing with power supply option

The X-Net Box range provides a simple but flexible housing for single cards where they need to be mounted in an industrial cabinet when the X-Net Rack would be too large to mount. Available in three options, the boxes provide up to three slots for cards. The cards are powered from the PSU12VDC power module that is pre-terminated with mating power connector and earth cable.

### XNETRACK: Key features

- 19", 4U chassis with power supply options
- Light weight Industry grade aluminium construction
- 14 hot-swap card slots for transmission and power supply mounting
- Multiple Mounting Options; front/rear facing, set back or flush
- Dual redundant power supply options – internal or external
- Compliant with X-Net Network Management System (NMS) for remote monitoring of rack power and temperature

### XNETBOX SINGLE, DOUBLE and TRIPLE: Key features

- Light weight industrial enclosures for one, two or three cards or cards up to three modules wide
- External power connector for 12V d.c. input
- Separate 12V d.c. power supply provides universal mains voltage input (90 to 240V a.c.)
- Mounting flanges built in for wall/cabinet direct mounting
- Horizontal or vertical mounting for flexibility in your application
- Impact resistant
- All-metal enclosure ensures EMC compliance and electrical safety (earth strap fitted to power supply)



Product codes on reverse

### XNETRACK

Dimensions:	DIN 41612 19", 4U x 220mm
Weight:	3.5 Kg (unpopulated)
Card slots:	14 (6HP)
Construction:	Aluminium
Internal backplane:	High grade PCB with power and NMS comms distribution
Mounting options:	Front (flush), front (set back), rear (flush), rear (set back). Refer to manual for details
Power source:	XNETPSU240 module or external 12 V d.c. via screw terminal or plug-in jack (2 of each type for redundant power sourcing)
Operating Temperature:	-30°C to +70°C
Storage Temperature:	-30°C to +74°C
Operating Humidity:	5 to 95% RH (non-condensing)
Vibration;	Random profile, 1g RMS Z horizontal and 0.6g RMS Z vertical (TR 2130 x 4)
IP rating:	IP 20
Compatibility:	All X-NET modules (except X-Net Nano and Pixi). All X-Stream codecs except X-Stream 101)

### XNETPSU240

Input voltage:	90 to 264V a.c. 50-60Hz
Input power:	160W max, 2 x 3.15A HRC fuses
Output voltage:	12V d.c. regulated
Output current:	12A max,
Dimensions:	12HP, 4U module

### Regulatory

MTBF:	100,000 hours
EMC:	EN50222 Class B, EN61000-3-2 Class A, EN61000-3-3, EN61000-4-2 6kV(C), 8kV(a), EN61000-4-3 10V/m, EN50204 20V/M, EN61000-4-4 2kB, EN61000-4-5 2kV, EN61000-4-8 50Hz and dc 100A/, EN61000-4-0 300A/m, EN61000-4-11, EN60905-1:2002 + A1:2003, EN60825-2:2000

### Product codes

XNETRACK	X-Net 19", 4U chassis. Holds up to 14 X-Net or X-Stream cards/modules.
XNETPSU240	XNETRACK power module. Occupies 2 rack slots. Universal a.c. mains input. Regulated 12V d.c. output
XNETPSU48-50W	XNETRACK power module. Occupies 2 rack slots. 36 – 72v d.c. input range. Regulated 12V d.c. output
XNETPSU48-150W	XNETRACK power module. Occupies 2 rack slots. 36 – 72v d.c. input range. Regulated 12V d.c. output
XNETBOXSINGLE/DOUBLE/TRIPLE	Metal wall mounted box available in single, double and three card slot widths. Mounting flanges built in.
PSU12VDC	Stand alone 12VDC/1.25 amp output power supply (with SAMTEC X-Net mating connector).
PSU12VDCNS	Stand alone 12VDC/500mA output power supply for use with X-Net Nano and X-Net Pixi modules.
XNETBLANK6HP	6HP (30mm), 4U blank panel for blanking off spare rack module slots

### XNETBOX units

Options:	Single, double and triple slot boxes available
Dimensions (mm) and weight:	Box single: 172 x 202 x 32, 0.66 Kg Box double: 172 x 202 x 64, 0.8 Kg Box triple: 172 x 202 x 96, 0.9 Kg
Construction:	Powder coated steel
IP rating:	IP 20

### PSU12VDC

Input voltage:	100 to 240V a.c. 47-63Hz
Input power:	20W max
Output voltage:	12V d.c. regulated
Output current:	1.25A
Dimensions:	86mm x 49mm x 31mm (H.W.D)

### PSU12VDCNS

Input voltage:	100 to 240V a.c. 50-60Hz
Input current:	175mA
Output voltage:	12V d.c. regulated
Output current:	500mA
Dimensions:	100mm x 91mm x 60mm (H.W.D)

### XNETPSU48 (50W and 150W options)

Input voltage:	36 to 72V d.c.
Input power:	50 or 150W options
Output voltage:	12V d.c. regulated
Output current:	4A or 12A max
Dimensions:	12HP, 4U module

