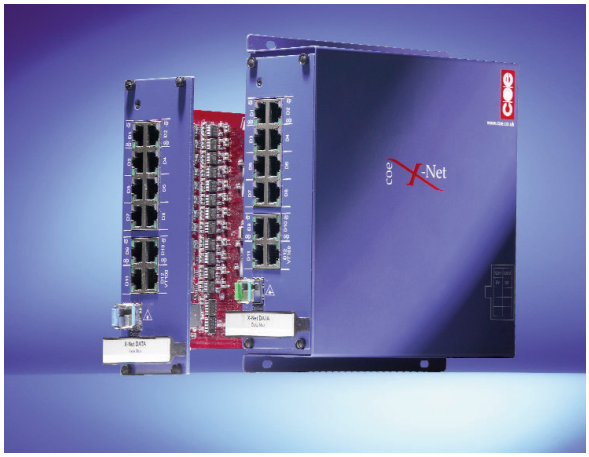
COE X-Net™ DataMux



High speed data multiplexing for COE X-Net fibre modules

The COE X-Net DataMux, allows up to 12 data channels to be multiplexed into one stream. The DataMux can be used as a standalone muliplexer or in conjunction with COE X-Net OPT4 or OPT8 modules to provide additional data channels.

DataMux provides a cost effective platform for increasing the data channels in installations where additional data channels are required for devices such as traffic light control systems, access control systems, alarm consoles etc. DataMux fits into the standard X-Net Rack and takes up two rack slots.

Features & Benefits

- Add up to 12 high speed data channels - Flexibility to add new devices to the CCTV network without having to replace existing modules.
- Standalone or use as data expander - Flexible configuration to suit site requirements.
- Independently configurable RS232, RS422 & RS485 (2W & 4W) circuits - Suitable for all device types.
- Easy to set up - Via VT100 terminal or X-Net NMS card.
- Standard RJ45 connectors and pin outs - Allows DataMux to connect to other X-Net modules by using standard ethernet patchcords.
- Utilises standard SFP lasers - Allows continued support for the modules for a long time.
- Flexible power supply options - Internal or external, single or dual redundant supplies. With options for 12VDC, 48VDC, 24VAC & 90-264VAC.
- Comprehensive 5 year warranty - All X-Net modules are covered by a comprehensive 5 year warranty and have MTBF in excess of 100,000 hours.

Overview

The X-Net system has been designed with two goals in mind, Flexibility and Reliability. These two goals are reflected throughtout the product range with features such as field upgradeable optics, flexible power supply options, ability to remotely administer complex CCTV installations via NMS card, MTBFs in excess of 15 years and warranty of 5 years.
X-Net DataMux provides you with the flexibility to add additional data channels as and when required. DataMux works in two modes, standalone mode and port extender mode. Both modes provide up to 12 independently configurable data channels.

Operational Modes

Port Extender Mode*

* Port Extender mode is compatible with X-Net OPT4-MAX, X-Net OPT8-MAX, X-Net OPT4-ETH, X-Net OPT8-ETH and X-Net OPT4-PTZ

Standalone Mode

Sales Codes

X-Net DataMux	X-Net DataMux Card with 12 x duplex data channels. Does not include any SFP optical units. Utilises 2 rack slots.
X-Net DataMuxTx	X-Net DataMux Transmitter with 12 x duplex data channels including 1310/1550nm bidi SFP optic. Utilises 2 rack slots.
X-Net DataMuxRx	X-Net DataMux Receiver with 12 x duplex data channels including 1550/1310nm bidi SFP optic. Utilises 2 rack slots.

Performance and Specifications

Data

Channels	12 (duplex)
Rate	DC to 64kbps
Format	RS232/422/485 2W/4W
Connector	RJ45
Line Biasing	Switchable
Failsafe	Switchable
Connector	RJ45

Optical

Budget (dB)	>20dB*
Range (Multimode fibre)	4Km
Range (Singlemode fibre)	50Km
Connector	LC
Bitrate	155Mbps

* Higher optical budgets available on request

MTBF

Duration	>100,000 hours

Environmetal

Operating temperature	-40 °C to +74 °C
Storage temperature	-40 °C to +85 °C
Endurance	1000 hours
Humidity	5% to 95% (Non Condensing)

Mechanical

Dimensions	12HP x 4U x 167mm
Rack Slots	2

Power requirements

Supply Voltage	9 to 14V DC or 24V AC
Card Protection	Poly Fuse
Current Consumption	50mA (typical @12V)

EMC

EN55022 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, EN61000-4-6 10V, EN61000-4-4 2kV, EN61000-4-5 2kV, EN61000-4-8 50Hz & dc 100A/m, EN61000-4-9 300A/m, EN61000-4-11, EN60950-1:2002 + A1:2003, EN60825-2:2000

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