



### Applications

- HVAC automation
- Industrial automation
- Lighting automation

### Overview

The X Series devices are microprocessor based Input/Output controllers designed to control, optimize and improve the energy efficiency of a wide variety of equipment types. When used with the cX Network Application Server/Router, all controller I/O are fully programmable with the OPIX Now! Portal Application. The no-cost programming tools are available to registered users.

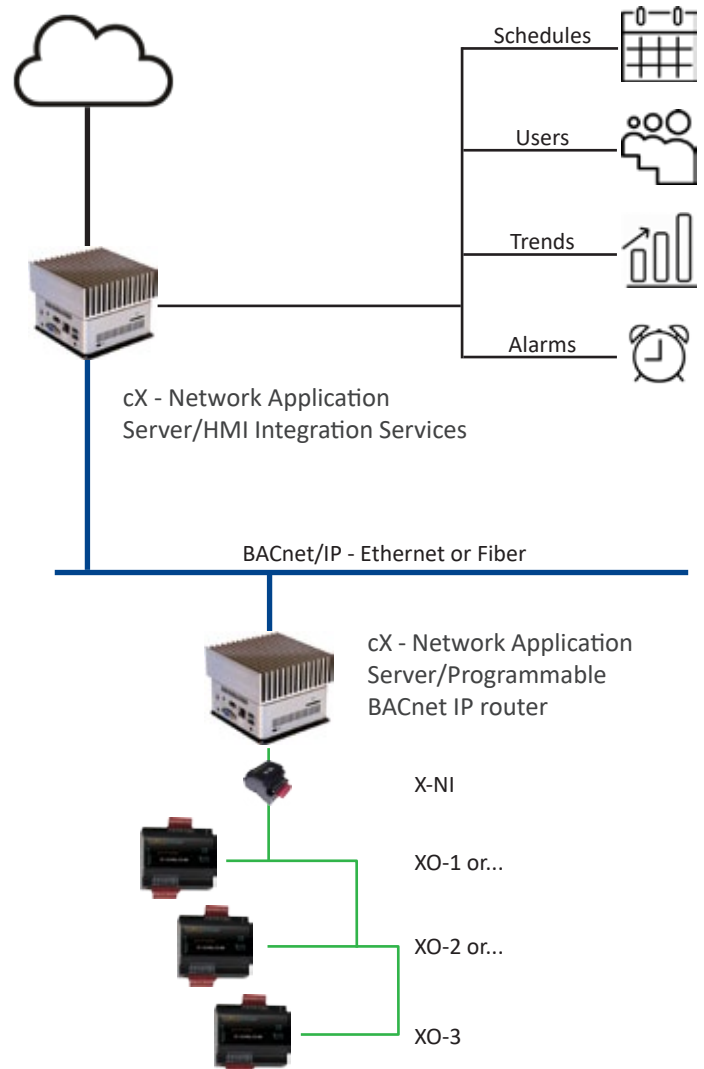
The XO-1 uses the FTTP-Bus fully isolated transceiver for best in its class networking over twisted pair media. FTTP-Bus networks are polarity and topology free. The network utilizes open standard BACnet/IP protocol and is encrypted using FIPS grade algorithms.

The XO-1 features fast response times suitable for lighting, building and lite industrial automation. Up to 60 XO-1 controllers can be connected to each FTTP-Bus sub network, automatically recognized by the programmable host (cX Application Server) and made available automatically for simple graphical programming.

There are no limits to program length or complexity other than the underlying physical hardware memory.

### Product Part Numbers

HW Part Number: XO1-0.8.8





### I/O Configuration

#### Digital Outputs

8 x Digital	Triac rated at 1A @ 24V AC, Externally Powered
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#### Analog Outputs

8 x Analog 20mA max at 30°C, 8bit resolution	0 or 10VDC Digital/Binary
	0-10VDC Adjustable, Lineal

### Mechanical

#### Hardware

Processor	ARM Cortex M4
Transceiver	FTT-10; 78kbps
Indicators	LED, Power, Status

#### Power

Supply Voltage	24VAC; 50/60Hz; Class II or 15-55V DC
Max	30VA
Typical	6VA + Peripherals
Fuse	1.85A auto-resettable

#### Enclosure

Material	ABS
Color	Black
Installation	35mm DIN
Connectors	Removable (red)

#### Environment

Temperature	0°-70°C (32°-158°F)
Humidity	0-90% non-condensing
Storage	-20°-70°C (-4°-158°F)

### Status Lights

#### LED

Device Status Green	Pulsing GrWeen = Normal Off = No power or other fault
Service Pin Green	Off = Normal/Running On = No Application

### Agency Approvals

Safety Certifications	UL916 Energy Management Equipment CSA C22.2#205 Issue 1983/06/01 (R2009) Signal Equipment standard
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