FOCX-1
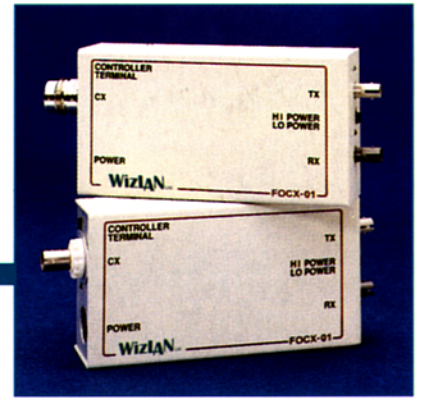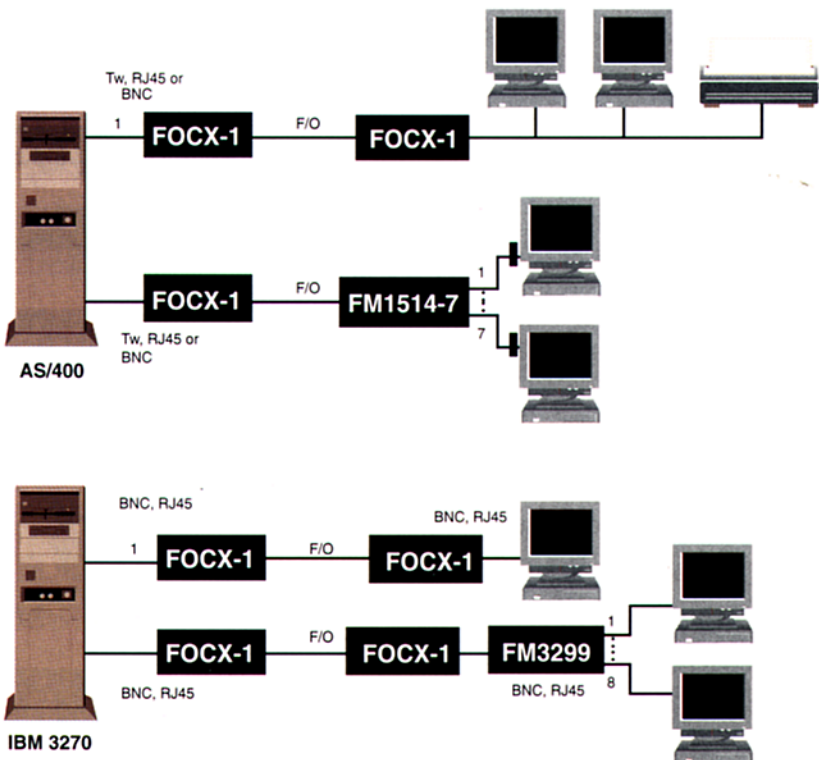
AS/400 & IBM 3270 Fiberoptic Converter

- F/O converter for AS/400, IBM3270 and CAD/CAM.

- Extends terminal to processor range

- Provides connections over coax, twinax and twisted pair

- Cost-effective solution

- Modular design for easy expansion with other products

The FOCX-1 is a fiberoptic to coax, twinax or RJ45 converter. This converter functions as a stand-alone fiberoptic modem, or as a fiberoptic distribution tail-circuit for the FM1500 series multiplexers, in the IBM 3270 category A and 3299 environment. The FOCX-1 may also be used in conjunction with IBM CAD/CAM Controllers, AS/400 or System 34/36/38 processors. Using the FOCX-1, each terminal may be attached to a pair of fiberoptic cables, running to a controller or multiplexer, providing a complete end-to-end fiberoptic path. The FOCX-1 uses an external power supply (110 or 220 VAC). The FOCX-1 may be configured for various controllers, terminals and multiplexer applications and is compatible with 50, 62.5, and 100 micron fiberoptic cables.

Technical Specifications

FOCX-1

System Compatibility

Controller	IBM 3174/3274, 5088, AS/400, System 3X
Peripherals	IBM 3270 Category A, 5085, System 3X and most plug compatibles
Compatible Multiplexers	FM15XX series

Maximum Transmission Distances

FOCX to FOCX	Duplex Fiber	According to cable attenuation
Controller to Peripheral		*3 km (10,000')
FOCX to Controller	Coax, Twinax UTP	450 m (1500') 300m (1000')
FOCX to Peripheral	3270 (RG-62), 5080 (RG-59) UTP **AS/400 S/3X twinax	600 m (2000') 900 m (3000') 300 m (1000')

* Subject to controller time-out and/or multiplexer specification in toil circuit

** The distance to the last peripheral is reduced by 30m (100') for each peripheral in a daisy chain (except for 3270)

Optical Characteristics

Optical connectors	ST type
Operating Wavelength	850nm
Permitted Loss	
50 micron	12db
62.5 micron	14db

Diagnostics

Fiberoptic Link	XMT/RCV
Power Supply	Power ON

Physical Characteristics

	Dimentions	Weight
FOCX-1	7.6x17.8x3.8 cm (3x7x1.5 in.)	0.23 kg (0.5 lb.)
FOCX-PS	11.3x6.5x4.7 cm (4.5x2.6x1.9 in.)	0.83 kg (1.8 lb.)

Environment

Operating Temperature	0^0 to 40^0C (32^0 to 104^0F)
Storage Temperature	-40^0 to 70^0C (-40^0 to 158^0F)
Relative Humidity (non-condensing)	10 - 95%

Ordering Information

FOCX/F/B	Link: F/O, Port: 1 BNC
FOCX/F/T	Link: F/O, Port: 1 Twinax
FOCX/F/R	Link: F/O, Port: 1 RJ45

Specifications may change as design improvements are introduced. The user shall determine the suitability of the product for its intended use. Neither manufacturer not seller shall be liable for any loss, damage or injury, direct or consequential, arising from the inability to use the product.

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WizLAN Ltd.