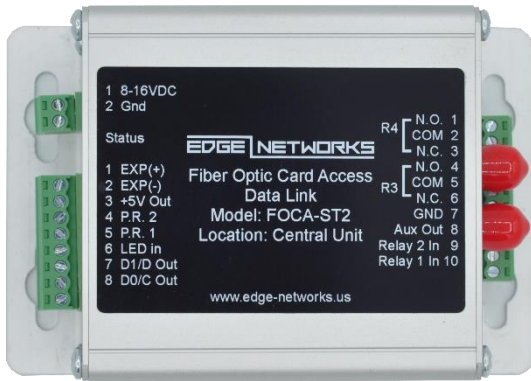


## Fiber Optic Card Access Weigand data link

### PRODUCT OVERVIEW

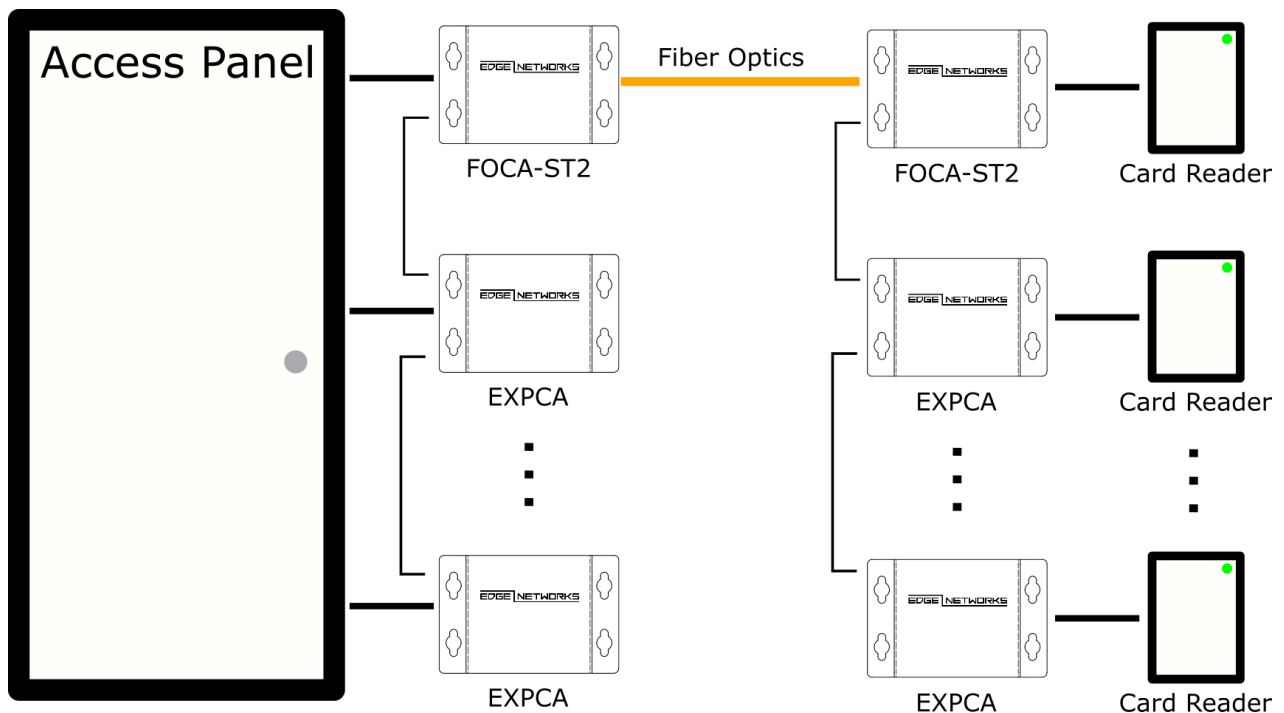


- Weigand / MagStripe / F/2F based control panel support
- Aux I/O for door, gate, panel status and signaling
- Relay interface for door strike or gate activation
- Multi-mode and Single mode support
- Kit includes Local and Remote units
- ST / SC connectors
- Status LED indicator
- Point to Point applications up to 20KM
- Up to 8 readers supported using EXPCA expansion units

### ORDERING INFORMATION

PART CODE	DESCRIPTION
FOCA-ST2	Fiber Optic Card Access, 2 fiber ST
FOCA-SC2	Fiber Optic Card Access, 2 fiber SC
RECOMMENDED ACCESSORIES	
PS12-12W-W	Power Supply 12V, 1A, 12W, Wall mount
EXPCA	Card Access Extender kit

### APPLICATION DRAWING



## SPECIFICATIONS

## ELECTRICAL

## I/O

<b>D0 / D1</b>	Description	Access Control Panel Data line
	Direction	Remote -> Local
	Formats	Weigand (248 bits max pass thru), Strobed (Clock and Data), F/2F Unsupervised
<b>LED</b>	Description	Card Reader LED
	Direction	Local -> Remote
	Specs	0-30VDC
<b>Relays 1,2</b>	Description	Forward Relays
	Direction	Local -> Remote
	Specs	30VDC @ 1A / 125VAC @ 0.3A, > 100K operations at 20C
	Input	Dry Contact – Ground referenced
	Output	Isolated - N.O. / N.C. / COM
<b>Relays 3,4</b>	Description	Return Relays
	Direction	Remote -> Local
	Specs	30VDC @ 1A / 125VAC @ 0.3A, > 100K operations at 20C
	Input	Dry Contact – Ground referenced
	Output	Isolated - N.O. / N.C. / COM
<b>Prog Res 3,4</b>	Description	Supervisory return relay configuration pins
	N.C. monitoring	Connect 1K to GND (typical)
	N.O. monitoring	Connect 2K to GND (typical)
<b>EXP +/-</b>	Description	Expansion bus for adding up to 7 expansion units
	Format	RS485

**Connectors** Removable 8 and 10 contact screw terminal connectors

## POWER

<b>Input Power</b>	8 – 16 VDC @ 300mA max
<b>Output Power</b>	5 VDC @ 100mA
<b>Connector</b>	Removable 2 contact screw terminal connector

## MISC

<b>Indicator LED</b>	OFF	No Power
	SOLID GREEN	CONFIGURATION Mode
	FLASHING GREEN	Normal operation
	GREEN / RED	Communication lost
<b>DIP Switches</b>	8 positions, internal Used to select RUN / CFG / TEST modes. Refer to Instruction Manual for details	

## SPECIFICATIONS (CONTINUED)

## OPTICAL

Wavelength	FOD-ST2/ FOD-SC2	TX: 1310nm, RX 1310nm
	FOD-STA / FOD-SCA	TX: 1310nm, RX 1550nm
	FOD-STB / FOD-SCB	TX: 1550nm, RX 1310nm
Connector(s)	FOD-STx	ST type TIA-604-2 FOCIS compatible
	FOD-SCx	SC type: TIA-603-3 FOCIS compatible
Number of Fibers	FOD-ST2/ FOD-SC2	2
	FOD-STA / FOD-SCA	1
	FOD-STB / FOD-SCB	1
Optical Emitter	Laser Diode – Class 1	
TX Launch Power	-15dBm (min) to -6dBm (max)	
RX Sensitivity	-34dBm	
Optical Loss budget	19dB (min)	

## ENVIRONMENTAL LIMITS

Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	95% (non-condensing)

## MECHANICAL CONSTRUCTION

Enclosure	Aluminum
Protection Class	IP30
Dimensions (WxHxD)	4.5 x 3.08 x 2.02 inches
Weight	< 1lb
Mounting	Wall Mounting

## REGULATORY APPROVALS

EMI	FCC Part 15 Subpart B Class A
MTBF	>100,000 hours
Warranty	5 Years

## Notes:

- In a continuing effort of improvement and updating technology, product specifications are subject to change without notice

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