



# Model 2020A/2021A

## 10/100 Base Ethernet Module

Data

- High speed 10/100 Mbps transmission
- Plug and Play operation
- IEEE 802.3 Standards compliant
- Auto-negotiation, full and half duplex
- Supports MDI/MDI-X auto crossover
- Long distance, up to 20Km



### High Performance, Cost Effective Interfacility Links

Foxcom's 10/100 Base Ethernet Module brings fast Ethernet capability to the Foxcom Sat-Light systems. Using only one single-mode optical fiber, the unit transmits either 10Base or 100Base data over distances up to 20 kilometers. Model 2020A transmits at 1310 nm, while Model 2021A transmits at the 1550 nm window.

This easy to install, plug-and-play media converter set complies with IEEE802.3 standards, and supports full duplex and half duplex communications with auto negotiation on both the fiber and twisted pair media. An RJ-45 interfaces to the twisted pair, while a single SC type connector interfaces to the optical fiber path. The 2020 set also supports MDI/MDI-X auto crossover, eliminating the need for elusive crossover cables.



Signal Interface	
Data Support	10BaseT / 100BaseT
Twisted Pair Connector	RJ -45
Cable Compatibility	UTP 100 Ohm Cat. 5
EMI & Safety	FCC, Class A
Electro-Optical	
Operating Wavelength	1310 or 1550 nm
Max. Operating Fiber Length	20 Km
Optical Source/Detector Type	Laser Diode/PIN
Fiber Compatibility	Single Mode
General Specifications	
Plug In Dimensions	5.1" x 4.9" x 1.6" (W x L x D)
Power Requirements	3W @ 10 to 18 VDC
Temperature Range	0° to 50 °C
Humidity Range	10 to 90%, non-condensing

Ordering Code	
Ethernet Module 1310 nm	2020A
Ethernet Module 1550 nm	2021A

LEDs	
FX LNK/ACT	When green OPT Link is OK/ Blinks when data flowing
TX LNK/ACT	When green UTP Link is OK/ Blinks when data flowing

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