ALLOY CP

EC100FX Series ExpressCard Fiber Optic Network Adaptors

The EC100FX series are a range of 100Base-FX network Adaptors, designed to plug into notebooks or desktop computers equipped with an ExpressCard/34 compliant slot and provide full duplex network connectivity over multimode fiber optic links. .

ExpressCard Support
EC100FX series Network Adaptors are fully compliant with the ExpressCard standard as initially defined by the ITU-T, and now maintained by the USB Implementors Forum (USB-IF).

High Performance Fiber Network Connectivity For Notebooks
The EC100FX series provides an ideal solution for connecting notebooks and desktop computers to networks over multimode fiber optic cable links. Any later generation notebook or other portable devices equipped with an ExpressCard/34 slot will accept an EC100FX Adaptor. The ExpressCard standard provides up to 2.5Gbps throughput from the slot, and all EC100FX models support 200Mbps Fast Ethernet 100Base-FX throughput in full duplex mode.

Fiber Optic Connectivity For Range and Security
When data security or cable range are a must, EC100FX Adaptors are the ideal solution. Unlike UTP copper network cable, fiber optic cable cannot be 'sniffed' and data security is assured. EC100FX Adaptors support up to two kilometers range over multimode fiber optic cable.

Wide Range of Fiber Connectors
The EC100FX series offers models with LC, SC and ST fiber connectors - the three most common connector types in use today. In addition, The EC100FXSTR model with ruggedized all-metal ST connectors is ideal for more extreme environments or where the host device is frequently disconnected from network cable links.

Plug and Play Installation
All EC100FX series models are hot swappable devices, plug and play devices.

PXE Remote Boot Support
All EC100FX series models support Preboot eXecution Environment (PXE) capability, enabling host notebooks or PC's to be remotely booted on to the network via a central PXE boot server.

Comprehensive Driver Suite
EC100FX Series Adaptors are provided with a driver suite which supports all major PC and Network Operating Systems, including drivers for all current Windows PC and Server versions and Linux.

KEY FEATURES	ALLOY EC100FX EXPRESSCARD FIBER NETWORK ADAPTORS

- Complies with IEEE 802.3 100Base-FX and ITU-T ExpressCard standards
- Provides 100Mbps connectivity to Ethernet networks over fiber optic multimode cable
- Maximum cable range: 2 kilometers
- Install in notebooks or PCs with an ExpressCard/34 compliant slot
- Maximum ExpressCard throughput: 2.5 Gbit/s

- LC, SC, ST or ruggedized all-metal ST fiber connector options for 100Mbps performance
- All models hot swappable
- LINK and ACTIVITY LED indicators
- Supports PXE remote boot
- Comprehensive driver suite
- RoHS compliant

Alloy Computer Products LLC

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EC100FX Series: Part Numbers and Connectors

EC100FXLC ExpressCard Multimode Fiber Network Adaptor, LC connector
EC100FXSC ExpressCard Multimode Fiber Network Adaptor, SC connector
EC100FXST ExpressCard Multimode Fiber Network Adaptor, ST connector
EC100FXSTR ExpressCard Multimode Fiber Network Adaptor, ruggedized ST connector

EC100FX Series Model:	EC100FXLC	EC100FXSC	EC100FXST	EC100FXSTR
Standards Compliance				
Standards	IEEE 802.3u Fast Ethernet 100Base-FX, IEEE 802.3x Full-Duplex Flow Control, ITU-T ExpressCard			
Interfaces				
Card Slot	ExpressCard/34 compliant			
Fiber optic Connector	LC	SC	ST	Ruggedized all metal ST
Performance				
ExpressCard Slot	2.5Gbps maximum throughput			
100Base-FX data rate	100Mbps maximum data transfer rate			
100Base-FX packet rate	148800pps maximum throughput			
Duplex mode	802.3x full duplex (default); back pressure half duplex			
Fiber Optic Cable Type and Range				
Cable Type	62.5/125 or 50/125µm multimode; 2 kilometers maximum range			
Physical Specifications				
Dimensions (WxHxL, mm)	34 x 5 x 128 (not including fiber connectors)			
Weight	40 grams	42 grams	40 grams	42 grams
Power Requirement				
Power	3 watts maximum			
Environmental Specifications				
LED indicators	LINK, ACT			
Temperature	0^0 to 50^0 (32^0 to 104^0 F) operating			
Humidity	5% to 90% , relative, non-condensing			
Emissions Approvals				
Certification	CE Mark, FCC Part 15 Class B, C-Tick			
Operating System Driver Support				
OS and NOS	Windows 7, Vista, XP, 2000, 98, NT; Windows 2008 Server, 2003 Server; NetWare; Linux			
Remote Boot	PXE remote Boot supported			

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