



100Base-FX <> 10/100Base-TX LFP Converter



CFM3450SC



CFM3450ST

TECHNICAL SPECIFICATIONS

Model:

CFM3450SC / CFM3450ST / CFM3450MT / CFM3450VF
CFM3450SC20 / CFM3450SC60 / CFM3450SC100
CFM3450BD3.20 / CFM3450BD5.20 / CFM3450BD3.60 / CFM3450BD5.60

Standards: IEEE 802.3u 100Base-FX/TX, IEEE 802.3 10Base-T

Connectors:

MODEL #	CONNECTOR A	CONNECTOR B	USB Port
CFM3450SC	1310nm Multi-Mode Duplex-SC	RJ-45 (Auto MDI/MDI-X Selection)	Type-B for optional self-powered USB cable
CFM3450ST	1310nm Multi-Mode Duplex-ST		
CFM3450MT	1310nm Multi-Mode MT-RJ		
CFM3450VF	1310nm Multi-Mode VF-45		
CFM3450SC20/SC60	1310nm Single-Mode Duplex-SC		
CFM3450SC100	1550nm Single-Mode Duplex-SC		
CFM3450BD3.20/CFM3450BD3.60	1310nm (TX) Single-Mode Simplex-SC		
CFM3450BD5.20/CFM3450BD5.60	1550nm (TX) Single-Mode Simplex-SC		

dBm:

MODEL #	CONNECTOR	MIN. TX PWR	MAX. TX PWR	SENSITIVITY	LINK BUDGET
CFM3450SC	MM Duplex-SC	-19 dBm	-14 dBm	-30 dBm	11 dB
CFM3450ST	MM Duplex-ST	-19 dBm	-14 dBm	-30 dBm	11 dB
CFM3450MT	MM MT-RJ	-19 dBm	-14 dBm	-30 dBm	11 dB
CFM3450VF	MM VF-45	n/a	n/a	n/a	n/a
CFM3450SC20	SM-20km Duplex-SC	-15 dBm	-8 dBm	-31 dBm	16 dB
CFM3450SC60	SM-60km Duplex-SC	-5 dBm	0 dBm	-34 dBm	29 dB
CFM3450SC100	SM-100km Duplex-SC	-6 dBm	-4 dBm	-36 dBm	30 dB
CFM3450BD3.20/BD5.20	SM-20km Simplex-SC	-14 dBm	-8 dBm	-31 dBm	17 dB
CFM3450BD3.60/BD5.60	SM-60km Simplex-SC	n/a	n/a	n/a	n/a

Data Transfer Rate (Mbps):

100 for FX port
10 or 100 (auto-negotiation) for TP
10 or 100 (forced) for TP selectable by DIP-Switch (S1-Bit1 and S1-Bit2)

Duplex Mode:

Full or Half (forced) for FX selectable by DIP-Switch (S1-Bit5)
Full or Half (auto-sense) for TP
Full or Half (forced) for TP selectable by DIP-Switch (S1-Bit3)

MAC Address Table: 2K

Buffer Memory: 384K

Cable/Max Distance:

Category 5 or better UTP, up to 100 m
50/125, 62.5/125, 100/140µm Multi-Mode fiber, up to 2 km
8.3/125, 8.7/125, 9/125, or 10/125µm Single-Mode fiber, up to
20 km for CFM3450SC20/CFM3450BD3.20/CFM3450BD5.20
60 km for CFM3450SC60/CFM3450BD3.60/CFM3450BD5.60
100 km for CFM3450SC100

Type-B to Type-A USB cable, up to 5m

LEDs: Unit — PWR

FX Port — FX LNK/ACT, FX FDX/COL
TP Port — TP LNK/ACT, TP 100

Power Requirement: 1A@+5V DC

Ambient Temperature: 0° to 50° C

Humidity: 5% to 90%

Dimension: 26.2 x 70.3 x 94 mm (H x W x D)

Safety: FCC Class A, CE Mark Approval, RoHS Compliance

ADDITIONAL FEATURES

Link Fault Pass-Through (LFP):

LFP function only takes effect as S1-Bit4 is enabled. Disable S1-Bit4 will turn this media converter into a general one. The LFP function works only when both converters own this capability in pairs. Furthermore, both LFP converters should be supplied by the same manufacturer/vendor. The connection coming from LFP converters with odd models or non-LFP converters will cease the LFP function.

USB Self-Powered:

With the optional USB cable (sold separately), power can be drawn directly from your notebook's or desktop's USB port without using an external power adapter.

Fast Ethernet

Copyright © 2006 Danpex Corporation. All rights reserved. All information is subject to change without notice. Other products and brand names may be registered trademarks or trademarks of their respective owners.

Converter

2114 Ringwood Avenue
San Jose CA 95131-1715
USA
Tel: +1 (408) 434-1688
Fax: +1 (408) 434-1699
e-mail: info@danpex.com