

## AD-F802SC ,AD-F802ST ,AD-F802S10/ 100Base-Tx to 100Base-FX media converter



### GENERAL DESCRIPTION

The media converter transforms the transmission media of Ethernet signal from CAT5 to optical fiber. It can extend the transmission distance to several kilometers or hundred kilometers. Using media converter is an economical solution to achieve long distance transmission base on current status.

### FEATURES

1. Built in a 2-port switch:
  - Pass all packets without address and CRC check (optional) ;
  - Supports modified cut-through frame forwarding for low latency ;
  - Supports pure converter mode data forwarding for extreme low latency ;
  - Supports flow control for full and half duplex operation ;
  - Bandwidth control ;
  - Forward 1600 bytes packet for management ;
  - Optional forward fragments.
2. Supports 100Base-FX standard ;
3. Built in 128Kb RAM for data buffer ;
4. Supports auto MDI-MDIX function ;
5. Supports link fault pass through function (LFP) ;
6. Supports for end fault function (optional) ;
7. LED display for link/activity, full/half, 10/100M
8. Support EEPROM configuration (optional) ;
9. The longest transmission distance reaches 120 kilometers ;

### STANDARD

IEEE802.3 ETHERNET STANDARD  
IEEE802.3u FAST ETHERNET STANDARD

## PARAMETER

	<b>AD-F802SC / AD-F802ST</b> 10/100M multimode media converter	<b>AD-F802</b> 10/100M singlemode media converter
Cable	MM Fiber / Twist Pair	SM Fiber / Twist Pair
Transmission Type	10/100M FDX/HDX	10/100M FDX/HDX
MTBF	>2 years	>2 years
BER	<1E-8	<1E-8
Data Buffer	128Kb	128Kb
Delay	127ms	127ms
Power temperature variation	0 . 2mw/	0 . 2mw/
Input Power Range (dBm )	0~-30	0~-40
Operate Temperature	0 ~70	0 ~70
Storage Temperature	-45 ~80	-45 ~80
Imax	800mA	800mA
Power	2 . 5w	2 . 5w
EMC	FCC Part15	FCC Part15
Size	95x70x26mm (external power )	95x70x26mm (external power )
	140x110x30mm (internal power )	140x110x30mm (internal power )

## ORDERING INFOMATION

Part number	Description
AD-F802SC	<b>10/100M</b> external media converter MM 2KM (SC)
AD-F802ST	<b>10/100M</b> external media converter MM 2KM (ST)
AD-F802S	<b>10/100M</b> external media converter SM 20KM (SC)

Warranty: 2 Years