

ET111CBH Series

Hardened Microtype 100Base-TX to 100Base-FX Ethernet Media Converter with 1-ch Bi-Directional Contact Closure



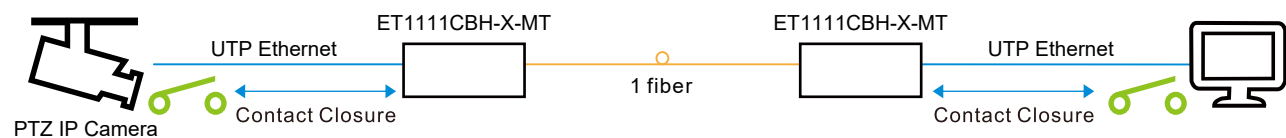
Features

- ▶ Converts 100Base-TX to 100Base-FX
- ▶ Support 100Base-TX Full/Half-duplex, Auto-negotiation, Auto-MDI/MDIX
- ▶ Single mode or Multi-mode fiber operation
- ▶ Single or Dual-core fiber with SC or ST connectors
- ▶ MDI/MDIX Auto-crossover supported
- ▶ Bi-directional contact closure
- ▶ 2ms Relay response time
- ▶ Normally open
- ▶ Sleek Microtype design, fits within most camera housings
- ▶ Plug-and-play
- ▶ Environmentally hardened
-40°C to 75°C (-40°C to 167°F) operating temperature

Warranty

- ▶ 5-Year Warranty

Typical Application



Specifications

Ethernet

Standards	IEEE802.3u 100Base-TX/FX IEEE802.3x Flow Control
Processing Type	Forward
Forward Filter Rate	148,810pps (100Mbps)
Cabling	Cat5 or above
Maximum Distance	100m
Connector	1 x RJ45

Contact Closure

Number of Channels	1
Direction	Bi-directional
Input	Dry Contact or TTL Input
Output	Dry Contact, NO or NC
Dry Contact Output Rating	Max. 32VDC/VAC@100mA
Connector	7-pin screw terminal

Optical

Cabling	62.5/125µm (Multimode) 9/125µm (Singlemode)
Maximum Distance	2Km (Multimode) 20Km (Singlemode)
Wavelength	1310nm (2 fiber) 1310/1550nm (1-fiber)
Connector	SC/ST

Electrical and Mechanical

Input Power	12VDC (Terminal Block)
Power Consumption	2.4W Max. 0.2A@ 12VDC
Protection	
Reverse Polarity	Present

Specifications

LED Indicators	
Power	Power Status
100TX (Per Port)	LINK/Activity, Speed
100FX (Per Port)	LINK/Activity
Contact Closure Input / Output	Green LED lit
Dimensions (W x D x H)	36.2 × 101 × 35 mm
Weight	0.25 Kg
Casing	Aluminum case
Mounting Options	Wall Mount / MR-C10 1U Rack

Environmental

Operation Temperature	-40°C to 75°C (-40°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% non-condensing
MTBF	> 100,000 hrs

Regulatory Approvals

ISO9001
FCC Part 15, Class A
EN55022 Class A

Ordering Information

Available Model	Description
ET1111CBH-X-MT	Hardened Microtype 100Base-TX to 100Base-FX Ethernet Media Converter with 1-ch Bi-Directional Contact Closure

(X) =	Fiber Options	Wavelengths	Link Budget	Max. Distance
A	Multimode/2-fiber/SC	1310nm	14dB	2km
B	Singlemode/2-fiber/SC	1310nm	21dB	20km
C	Multimode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	21dB	2km
D	Multimode/WDM 1-fiber/SC	TX:1550nm/RX:1310nm	21dB	2km
E	Singlemode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	19dB	20km
F	Singlemode/WDM 1-fiber/SC	TX:1550nm/RX:1310nm	19dB	20km
G	Multimode/2-fiber/ST	1310nm	14dB	2km
H	Singlemode/2-fiber/ST	1310nm	21dB	20km
I	Multimode/WDM 1-fiber/ST	TX:1310nm/RX:1550nm	21dB	2km
J	Multimode/WDM 1-fiber/ST	TX:1550nm/RX:1310nm	21dB	2km
K	Singlemode/WDM 1-fiber/ST	TX:1310nm/RX:1550nm	19dB	20km
L	Singlemode/WDM 1-fiber/ST	TX:1550nm/RX:1310nm	19dB	20km

Optional Accessories (to be purchased separately)

MR-C10 1U 19 inch Rack for micro-type product mountable up to 10 slots, includes 12V power adapter

Package Checklist

■ Fast Ethernet Media Converter	x 1
■ 1.25A 12VDC power adapter with open wire for terminal block	x 1
■ Quick Installation Guide	x 1

NOTES: (1) Transmission distance will suffer if additional losses are introduced by the optical connectors, fusions, splices and the fibers within the network.
(2) Operating distance of multimode is limited by the characteristics of the fiber bandwidth.
(3) Please feel free to consult factory for any special requirement and customization.



OT Systems Ltd., Oct 2015

Due to continuous improvement, all product specifications are subject to change without further notice.