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BC101-F
Unmanaged Industrial Ethernet Media Converter

Ordering information

Model	Descriptions
BC101-FM	Industrial Ethernet Media Converter unmanaged 1-port 100Base-FX Multimode(SC) fiber ports 2Km. and 1-port TP(RJ45) support 10/100Base-T(X)
BC101-FS	Industrial Ethernet Media Converter unmanaged 1-port 100Base-FX SingleMode(SC) fiber ports 20Km. and 1-port TP(RJ45) support 10/100Base-T(X)

ISO 9001 UCS   CNAB   IAF   FC   CE   RoHS

Product Descriptions

Introduction:

BC101-F is a speediness 10/100Base-TX Industrial Ethernet Media Converter, easy to connect server, repeater, switch, device to device, Can satisfy customers require for long distance, high speed, wide broadcast. BC101-F series supports 1 TP ports and 1 fiber ports. TP(RJ45) support 10/100Base-T(X), Full/Half duplex mode, and auto MDI/MDI-X connection; 100BaseFX supports single-/multi-mode, SC/ST connector, optional.

BC101-F adopt industry standard design, IP30 protection, rugged high-strength metal case, power supply input (12V～36VDC), -40 to 75°C working temperature.

Features:

1. IEEE802.3/802.3u/802.3x,store and forward
2. Plug-and-play, easy to installation
3. 10/100M, F/H duplex, MDI/MDI-X auto negotiation
4. -40 to 75°C operating temperature range
5. Designed for industrial applications. IP30 protection, rugged high-strength metal case

Product Standard

Specification:

Interface

Standards: comply with IEEE802.1 10Base-T, IEEE802.3u
            100Base-TX, IEEE802.3 100Base-FX
RJ45 port rate: 10/100BaseT(X) auto connection, F /H duplex
                or force work mode, and support MDI/MDI-X
                connection
Fiber Ports: 100BaseFX ports (SC/ST connector, optional)
Single-mode: 20, 40, 60, 80, 120Km,optional
Multi-mode: 2,5Km, optional
Wavelength: 850nm, 1310 nm, 1550nm Typical 100Base-FX:
Multi-mode: 155Mbps, 1310nm, 2Km, average output≥-18dBm,
                sensitivity≤-35dBm
Single-mode: 155Mbps, 1310nm, 20Km, average output
                ≥-12dBm, sensitivity≤-36dBm

Power

Input Voltage: 24VDC (12VDC~36VDC)
Opposite connection protection

Mechanical

Dimensions: 103mm×78mm×32mm (H×W×D)
Casing: IP30 protection, Metal case
Weight: 350g

Environmental

Operating Temperature: -40 to 75°C
Storage Temperature: -45 to 85 °C
Ambient Relative Humidity: 10% to 95% (non-condensing)

Approvals

EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN61000-4-2 (ESD), Level 4
        EN61000-4-3 (RS), Level 3
        EN61000-4-4 (EFT), Level 4
        EN61000-4-5 (Surge), Level 4
        EN61000-4-6 (CS), Level 3
        EN61000-4-8, Level 5
        EN61000-4-11, level 4
Shock: IEC 60068-2-27 PASS
Free Fall: IEC 60068-2-32 PASS
Vibration: IEC 60068-2-6 PASS
Approvals: FCC, CE, RoHS approvals
Approvals: FCC,CE, RoHS approvals