

**EBN EE 3000/3000G SERIES MEDIA CONVERTER**

**Features:**

conforms to IEEE802.3, IEEE802.3u (10Base-T, 100Base-TX, 100BaseT-FX) ,IEEE802.3x,IEEE802.1q VLAN,IEEE802.1p QoS international standard;

brings 1M buffer, supports 2K MAC address;

isolates network conflict and broadcasting package effectively, has the function of preventing broadcasting storm;  
built-in power supply or built-out power supply for option;

support both 10/100M full/half duplex self-adaptive;

delay time:<150ns;

provide indicator lamps, indicating the device's work status:  
power, optical signal, electrical signal etc;



**Specification:**

**100Base-FX Optical interface:**

Connector: SC,FC or ST(can be chosen by customer)

Wavelength: 1310nm,1550nm or 850nm(can be chosen by customer) Optical fiber category:

single-mode 8.3/125, 8.7/125, 9/125, 10/125um multi-mode

50/125, 62.5/125, 100/140um

multi- mode connection: transmitting range can reach 5 kilometers as farthest; single-

mode connection: transmitting range can reach 120 kilometers.

**10/100Base-TX Ethernet**

UTP RJ45 connector (coaxial, twisted pair)

Cable type: non-shielded 5 class cable Cat.5UTP, can transmit 100 meters

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Fiber connector	SC/ST	SC	SC	SC
type	multimode	Single mode	Single mode	Single mode
wavelength	850/1310nm	1310nm	1310nm	1310nm
Transmission distance	2km	25km	40km	60km
TX send power(min)	-19.0dBm	-15dBm	-9.0dBm	-4.0dBm
TX send power(max)	-12.0dBm	-9.0dBm	-5.0dBm	0dBm
Receive sensitivity	< -30dBm	< -30dBm	< -33dBm	< -36dBm
Link Budget	11.0dBm	15.0dBm	24.0dBm	32.0dBm

**Power supply**

working voltage range wide, good anti-disturb and Isolation, work stable option I – DC-48V,range DC-36V~DC-72C option II – AC220V,range AC160V~AC250V

Power Consumption: <=3 Watts

**Dimension**

95mm(L)x70mm(W)x26mm(H)

**Environment condition**

Operating temperature: 0C~+55 C  
 Storage temperature: -20 C~+70 C  
 Relative temperature: 95%