

## [ATRIE Net Span –Media Converter EM100/110/120 Series](#)



### **10/100Base-T/TX to 100Base-FX Multi/Single-Mode 100Base-TX to 100Base-FX Multi/Single-Mode 100Base-FX Multi-Mode to 100Base-FX Single-Mode**

In response to the increase of fiber optics cabling deployment, Atrie offers its Media Converter Series as a concrete and affordable answer. Atrie's EM100/EM110/EM120 Series is one of the most complete solutions in media conversion. EM100/110/120 Series are available in all types of fiber connectors, and modes: SC, ST, VF-45, and MT-RJ, also available in single-mode of 15/45/75km.

#### **EM100 and EM110 Series**

EM110 is affordable and user friendly. It supports several easy to read LEDs that detect Link, Transmit/Receive, Full/Half Duplex status. A like EM110 series, EM100 is the most functional media converter in the market. The RJ-45 port on this unit is dual speed, 10/100Mbps, auto sensing. Better than a regular converter, EM100 has switch capabilities, it is able to filter traffic and records MAC addresses. Both of these series are available in all types of fiber connectors, SC, ST, VF-45, and MT-RJ in either multi-mode, or single-mode.

#### **EM120 Series**

EM120, fiber multi-mode to single-mode, and single-mode to single-mode fast Ethernet media converter, is available in a wide range of selections. There are options in SC, ST, VF-45, and MT-RJ multi-mode, to SC single-mode in 15/45/75km. Also EMC120 is available in single-mode to single-mode converter/bridge in combination of 15 to 15km, or 15 to 45 km.

## Key Features

<b>NetSpan-EM100</b>	Provides one port 10/100Base-T/TX auto-negotiation with RJ-45 connector and one port
	Multi-Mode with SC, ST, MT-RJ or VF-45 fiber connector or Single-Mode SC fiber connector
	LED Indication: PWR/ACT/LNK/ FX-LNK/TX/RX) (TX-LNK/TX/RX/FDX /SPD/COL).
	One push button for crossover cable or straight cable for TX port and auto correction of RX polarity reverse
<b>NetSpan-EM110</b>	Provides one port 100Base-TX with RJ-45 connector and one port Multi-Mode with SC, ST, MT-RJ or VF-45 fiber connector or Single-Mode SC fiber connector
	LED Indication: PWR/(FX-LNK/TX/RX)/(TX-LNK/TX/RX/FDX)
	One push button for crossover cable or straight cable for TX port and auto correction of RX polarity reverse
<b>NetSpan-EM120</b>	Provides one port Multi-Mode with SC, ST, MT-RJ or VF-45 fiber connector and one port
	Single-Mode SC fiber connector
	LED Indication: PWR/SDA/SDB
	Compliant with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX, 100Base-FX standards
	Extended Single-Mode fiber optic distance up to 75km (46.6ml)
	1-24 MAC address
	Store-and-forward mechanism
	Wall-mountable

## Technical Specifications

### LED Reports

**NETSPAN-EM100** Per unit - Power status, Speed (2 LEDs)  
Per port -LNK/ACT, FDX/COL(2 LEDs)

**NETSPAN-EM120** Per unit - Power status (1 LED)  
Per port -SDA or SDB (1 LED)

**Ethernet Standards** IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, 100BASE-FX

**Cable** 10BASE-T 2-pair UTP Cat. 3, 4, 5, up to 100 m (328 ft)  
100BASE-TX 2-pair UTP Cat. 5, Up to 100 m (328 ft)  
100BASE-FX 62.6/125 multi-mode fiber-optic cable, up to 2km  
100BASE-FX 9/125 Single-Mode fiber-optic cable, up to 75km

**Forwarding Rate** 14,880pps for 10Mbps; 148,800pps for 100Mbps

## Ordering Information

EM100C	10/100Base-T/TX to 100Base-FX(SC) Multi-Mode
EM100T	10/100Base-T/TX to 100Base-FX(ST) Multi-Mode
EM100M	10/100Base-T/TX to 100Base-FX(MT-RJ) Multi-Mode
EM100V	10/100Base-T/TX to 100Base-FX(VF-45) Multi-Mode
EM100C-15	10/100Base-T/TX to 100Base-FX(SC) Single-Mode, 15km
EM100C-40	10/100Base-T/TX to 100Base-FX(SC) Single-Mode, 40km
EM100C-75	10/100Base-T/TX to 100Base-FX(SC) Single-Mode, 75km
EM110C	100Base-TX to 100Base-FX(SC) Multi-Mode
EM110T	100Base-TX to 100Base-FX(ST) Multi-Mode
EM110M	100Base-TX to 100Base-FX(MT-RJ) Multi-Mode
EM110V	100Base-TX to 100Base-FX(VF-45) Multi-Mode
EM110C-15	100Base-TX to 100Base-FX(SC) Single-Mode, 15km
EM110C-40	100Base-TX to 100Base-FX(SC) Single-Mode, 40km
EM110C-75	100Base-TX to 100Base-FX(SC) Single-Mode, 75km
EM120	100Base-FX(SC/S/ MT-RJ/VF-45) Multi-Mode to 100Base-FX(SC) Single-Mode, 15/40/75km



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