



FEATURE HIGHLIGHTS

- 100/1G/2.5G/5G/10G BASE-T RJ45 interface with auto MDI/MDI-X function, 10GBASE-X SFP+ slot interface
- Supports auto-negotiation 100Mbps, 1Gbps half/full duplex and 2.5/5/10Gbps full duplex mode
- Extensive LED indicators for network diagnostics
- 12~48VDC Terminal Block Power Input
- Supports DIN-Rail & Wall-mount installation
- -10° C to 45° C operating temperature

DESCRIPTION


HNT-1401X-1F-X6EL is the smallest Industrial-grade 10G Ethernet Media Converter providing non-blocking wire-speed performance and great flexibility for 10 Gigabit Ethernet extension in harsh industrial environment. It is equipped with one 100Mbps, 1Gbps, 2.5Gbps, 5Gbps and 10GBASE-T RJ45 copper interface and one 10GBASE-X SFP+ fiber optic interface delivered in an IP40 rugged but compact-sized case with redundant power system. HNT-1401X-1F-X6EL is ideal for wide applications from copper to fiber media conversion wherever 10Gigabit bandwidth is required in industrial environments with wide temperature ranging from -10 to 45 degrees C.

HNT-1401X-1F-X6EL | Industrial 10G Ethernet to Fiber Media Converter

SPECIFICATIONS

Ethernet	
Standards:	IEEE 802.3u 100BASE-TX
	IEEE 802.3ab 1000BASE-T
	IEEE 802.3bz 2.5G/5GBASE-T
	IEEE 802.3an 10GBASE-T
	IEEE 802.3ae 10Gbps Ethernet
	IEEE 802.3x full-duplex flow control
	IEEE 802.3az Energy Efficient Ethernet (EEE)
Forward & Filtering Rate:	100Mbps/1000Mbps/2.5Gbps/5Gbps/10Gbps
Network Cables:	<p>10G/5G/2.5G/1G/100M BASE-T:</p> <p>10G – Cat 6A/7 5G – Cat 6/6A/7 1G/2.5G – Cat 5e/6/6A/7 100M – Cat 5/5e/6/6A/7 Cat 5/5e/6/6A/7 UTP cable (100 meters, max.) EIA/TIA-568 100-ohm STP (100 meters, max.)</p> <p>10GBASE-LR/SR/BX:</p> <p>50/125µm or 62.5/125µm multi-mode fiber optic cable, up to 300m 9/125µm single-mode fiber optic cable, up to 80km</p>
Processing Type:	Store-and-Forward
Fabric:	20Gbps
Jumbo Frame:	16K
Address Table:	9K entries, automatic source address learning and aging
Interface	
Connector:	1 x RJ45
Optical Port:	1 x SFP+
Environmental	
Operating Temperature:	-10° C to 45° C
Storage Temperature:	-40°C to 85°C
Relative Humidity:	5% to 95% non-condensing
MTBF	> 200,000 hrs
Electrical and Mechanical	
Input Power:	12~48VDC, Redundant Power (4-pin Terminal Block)
Power Consumption:	5W Max
Protection:	
Power Input Overload:	Automatic Resettable

HNT-1401X-1F-X6R | Industrial 10G Ethernet to Fiber Media Converter

Reverse Polarity:	Present			
DIP Switch				
4-digit DIP switch function 	DIP	Function	Settings	
	SW 1	Reserved	ON - Reserved	OFF - Reserved
	SW 2	Reserved	ON - Reserved	OFF - Reserved
	SW 3	Reserved	ON - Reserved	OFF - Reserved
	SW 4	Reserved	ON - Reserved	OFF - Reserved
<i>Note: DIP Switch's function can be customized based on client's requirements.</i>				
LED Indicators:				
PWR:	Power Status			
L/A:	Link/Activity at Ethernet Port			
TP:	Ethernet Status			
FX:	SFP+ Fiber Port Status			
Dimensions (WxDxH):	95 x 70 x 30 mm			
Weight:	0.25Kg			
Casing:	Aluminum Case			
Mounting Options:	DIN-Rail/Wall-mount			
Regulatory Approvals				
ISO9001, CE, RoHS, FCC				
EN55022:2010+AC: 2011, Class A				
EN 61000-3-2: 2006+A1: 2009+A2: 2009				
EN 61000-3-3: 2013				
EN55024:2010				
IEC 61000-4-2: 2008 (ESD)				
IEC 61000-4-3: 2010 (RS)				
IEC 61000-4-4: 2012 (EFT)				
IEC 61000-4-5: 2014 (Surge)				
IEC 61000-4-6: 2013 (CS)				
IEC 61000-4-8: 2009 (PFMF)				