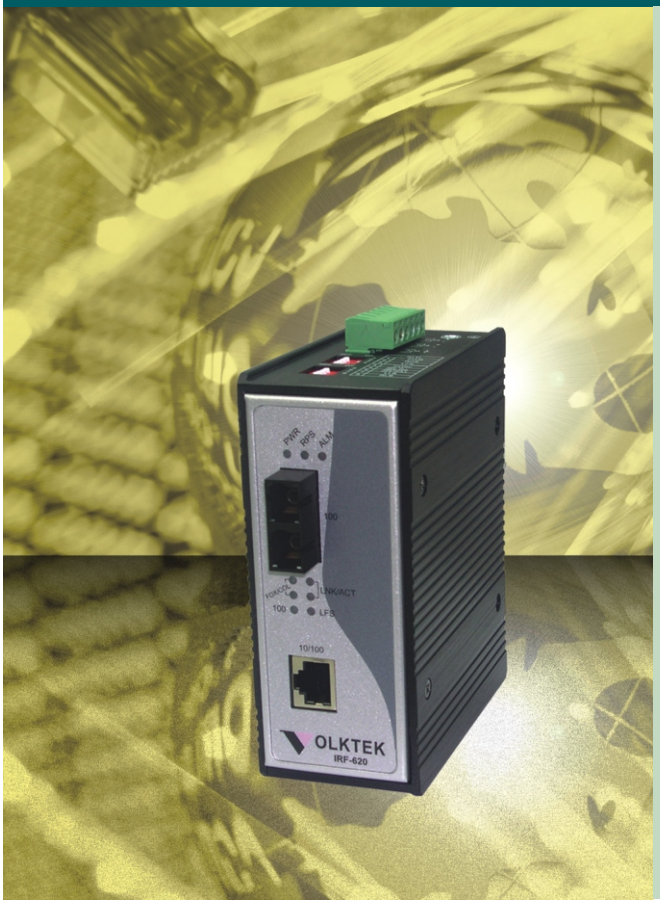
IRF-620 10/100Base-TX to 100Base-FX Converter



Product Introduction & Benefits

The IRF-620 Media Converter is a feature-packed solution for expanding or extending an existing Ethernet/ Fast Ethernet network. The converter boasts enhanced with such features as remote and local loop-back testing, auto-negotiation, and link fault signaling for total reliability, It also features DIP switches for manual activation of the enhanced features. This gives the IRF-620 the ability to be quickly integrated into a network configuration.

The IRF-620 can support a variety of fiber optic cables and connectors that can extend distances (up to 120km) as well as offering flexibility in the migration to 100Base-FX networks

FCC Class A CE Approval

Main Features:

- Complies with IEEE 802.3 (10Base-T) & 802.3u 100Base-TX/FX standards
- Extends distances from 2km (multi-mode fiber) to 120km (single mode fiber)
- NWay Auto-negotiation support on RJ-45 port
- DIP switch manual setting on 10 or 100 and half or full duplex in case of auto-negotiation failure copper port only
- Store-and-forward at full wire speed
- Auto MDI / MDI-X
- Manual setting on speed and duplex for compatibility with non auto-negotiation devices
- Link Fault Signaling LED illuminates to indicate link down
- Device DIP switches allow multiple configuration options
- Link Fault Signaling function can boot up redundant link if network is installed with primary and redundant link
- Local and remote loopback test for first time installation and trouble-shooting
- FCC Class A & CE approved

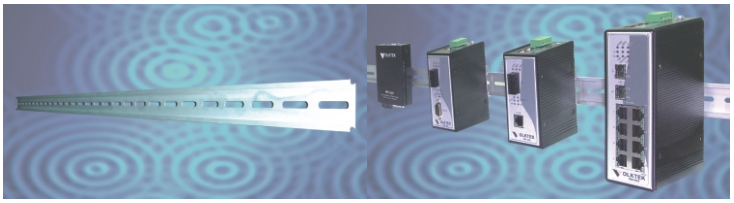
Ordering Information:

IRF-620MT/MC:

10/100Base-TX to 100Base-FX Multi-mode Converter (ST/SC Connector)

IRF-620SC-30/60/100/120:

10/100Base-TX to 100Base-FX Single Mode Converter (SC Connector, 30/60/100/120km)



Specifications:

Standards:		
IEEE 802.3	(10BASE-T Ethernet);	
IEEE 802.3u	(100BASE-TX/FX Fast Ethernet)	
Ports:		
1 x UTP (RJ-45)		
1 x Fiber 100Base-FX (SC/ST ; Multi-mode/Single mode)		
Max. Distance:		
UTP:	100 meters	
Fiber:	Up to 120km (single mode)	
Unit LED:		
100:	Green	Illuminated when data packets are being transmitted at 100Mbps
LFS:	Red	Illuminated when a break or disruption exists in copper or fiber links
LNK / ACT:	Green	Illuminated indicates receiving link pulses from compliant device / Flashing to indicate data packets being sent / received
FDX / COL:	Amber	Illuminated to indicate unit is in full duplex mode / Flashing to indicate collision
PWR:	Green	Illuminated to indicate unit is operating under normal power
RPS:	Green	Illuminates for redundant power
ALM:	Red	Illuminates when power or link fail
Power:		
Power input:	9 ~ 48V DC / 1A	
Temperature:		
Operating:	0°C to 70°C	
Storage:	-20°C to 80°C	
Humidity:		
Operating:	10% to 80% Non-condensing	
Storage:	5% to 90% Non-condensing	
Emissions:		
FCC Part 15 of Class A & CE approved		
Dimensions:		
100 x 50 x 120mm (D x W x H)		
Weight:		
450g		

Product Application

The following illustrates typical applications for the IRF-620 series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.