

NETGEAR AXM752 Datasheet



NETGEAR AXM752 10GBASE-LR XFP Optical Transceiver

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The AXM752 is a hot pluggable 10Gbps small-form-factor transceiver module integrated with the high performance un-cooled 1310nm EML-based transmitter, high sensitivity PIN receiver and signal conditioner for 10Gbps Ethernet applications that support link-distance up to 10km over standard SMF. It is compliant with the 10Gbps Ethernet IEEE 802.3ae standard and the INF-8077i XFP Multi-source Agreement (MSA).

The AXM752 is designed to be compliant with INF-8077i XFP Multi-source Agreement (MSA) with five digital monitoring functions: Temperature, Vcc, Tx optical power, TX laser bias current and RX received optical power.

Features

- Full duplex transmission at 9.95 to 11.08 Gbps
- 1310nm Electro Absorption Modulated Laser (EML) light source
- Standard LC duplex fiber-optic connector
- Compliant with IEEE 802.3ae Draft 5.0
- Compliant with XFP MSA Rev. 4.0
- I2C for integrated Digital Optical Monitoring
- Power consumption <2.5 W
- User friendly Plug-and-play style "Hot Swap"
- Small footprint which enables high board density
- XFI high speed I/O electrical interface

- Integrated signal conditioner to extend 200mm FR4 PCB trace signaling
- Temperature range 0°C - 70°C

Applications

- 10G LAN switch
- 10G Ethernet switch/router
- 10G Fiber channel
- 10 Gigabit FC 10.5 Gb/s
- 10 Gigabit Ethernet 10.3 Gb/s

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