OPTICAL TECHNOLOGY MANUFACTUTER
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Overview

G-NET Gigabit Ethernet Fiber Media Converter HDD-220G series uses the switching technology to conduct media conversion,which meets the standards of IEEE802.3, IEEE802.3u,IEEE802.3z and IEEE802.3ab,IEEE 802.3x.It supports two types of media network connections:10Base-T/100Base-TX/1000Base-T and 1000Base-SX/LX.It can conduct mutual conversion between 10Base-T/100Base-TX/1000Base-T twisted pair electrical signal and 1000Base-SX/LX optical signals.It extends the transmission distance of a network from 100m over copper wires to 120Km. This fiber converter supports transmission in dual-fiber single-mode/Multi mode fiber.

Features

▪Support 1X1000Base-FX Duplex SC Fiber Port and 1x10/100/1000Base-TX Auto-Negotiation RJ45 port
▪Compliant with IEEE802.3,IEEE 802.3ab,IEEE 802.3z,IEEE802.3u,IEEE802.3x standard
▪Support store-and-forward forwading mode
▪Flow Control Type: Full duplex adopts IEEE 802.3x standard, half duplex adopts back pressure standard
▪Supports10/100/1000M full duplex and half duplex
▪Supports auto MDI / MDI-X,obtains the fastest possible connection
▪Supports MAC address auto learning and auto aging
▪LED indicators display the working status,supporting simple trouble shooting
▪All ports support non-blocking full wire-speed forwarding rate
▪Plug and play, no configuration required
▪Desktop or Wall Mounted,easy to install and use
▪Fanless design,natural cooling

▪External Power Supply

Specification

Standard	IEEE802.3 10Base-T IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX IEEE802.3u 100Base-TX/FX IEEE802.3x flow control
Switch Properties	MAC Address Table: 4K Packet Buffer Size: 256K Switching mode: Store and Forward Delay time: <10 μ s Bit error rate: <1/1000000000
Network Medium	10BASE-T: Cat3,4,5 UTP(≤100 meters) 100BASE-TX: Cat5 UTP or better(≤100 meters) 1000BASE-TX: Cat5 UTP or better(≤100 meters)
Flow Control	Full duplex adopts IEEE 802.3x standard, half duplex adopts back pressure standard
Fiber Port	1X1000Base-FX Fiber port Wavelength:850/1310/1550nm dual fiber,SC/UPC connector
Ethernet Port	1x10/100/1000Base-TX RJ45 Port Supports 10/100/1000Base-T auto negotiation and auto-MDI/MDI-X Support 10/100/1000M full/half duplex mode
Transmission Distance	Twisted pair: CAT5e/CAT6(the max distance up to 100m) Fiber:0-120km
LED Indicator	POWER (power) FX LINK (fiber link action), TP LINK1000 (twisted pair connection 1000M) TP LINK100 (twisted pair connection 100M), TP ACT (twisted pair packet forwarding action) FDX(Ethernet interface mode indicator ON:Full duplex/OFF:Half duplex)
Power	External Power Adapter Input Voltage:AC100-240V,50/60Hz Output Voltage:DC 5V 2A Max Power consumption: 5W
Mechanical	Case: Metal Cooling way: Natural cooling,fanless design Installation:Desktop or Wall Mounted Dimension: 93X70X26mm(LxWxH)

Environmental	Working Temperature: 0°C to 50°C Storage Temperature:-20°C to 70°C Working Humidity: 10%～90% (non-condensing) Storage Humidity: 5% ~ 90%(non-condensing)
MTBF	100,000 hours
Warranty	3 years

Ordering Information

Model	Description
HHD-220G-2	1x10/100/1000Base-TX + 1x1000Base-FX,dual fiber,850nm,multi mode,500m,SC
HHD-220G-2	1x10/100/1000Base-TX + 1x1000Base-FX,dual fiber,1310nm,multi mode,2km,SC
HHD-220G-20	1x10/100/1000Base-TX + 1x1000Base-FX,dual fiber,single mode,20km,SC
HHD-220G-40	1x10/100/1000Base-TX + 1x1000Base-FX,dual fiber,single mode,40km,SC
HHD-220G-60	1x10/100/1000Base-TX + 1x1000Base-FX,dual fiber,single mode,60km,SC
HHD-220G-80	1x10/100/1000Base-TX + 1x1000Base-FX,dual fiber,sinlge mode,80km,SC
HHD-220G-100	1x10/100/1000Base-TX + 1x1000Base-FX,dual fiber,single mode,100km,SC
HHD-220G-120	1x10/100/1000Base-TX + 1x1000Base-FX,dual fiber,single mode,120km,SC

G-NET TECHNOLOGY CO., LIMITED

Due to continuous improvement, all product specifications are subject to change without further notice.