

## Overview



G-NET HHD-110G-20A/B 10/100Mbps Fast Ethernet Fiber Media Converter uses the switching technology to conduct media conversion, which meets the standards of IEEE802.3, IEEE802.3u, IEEE 802.3x. It supports two types of media network connections: 10Base-T/100Base-TX. It can conduct mutual conversion between 10Base-T/100Base-TX twisted pair electrical signal and 100Base-FX optical signals. It extends the transmission distance of a network from 100m over copper wires to 25Km. This fiber converter supports transmission in single-fiber single-mode fiber.

## Features

- Support 1x100Base-FX Simplex SC Fiber Port and 1x10/100Base-TX Auto-Negotiation RJ45 port
- Compliant with IEEE802.3, IEEE802.3u, IEEE802.3x standard
- Support store-and-forward forwarding mode
- Flow Control Type: Full duplex adopts IEEE 802.3x standard, half duplex adopts back pressure standard
- Supports 10/100M 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 to install and use
- Fanless design, natural cooling
- External DC5V Power Supply

**Specification**

Standard	IEEE802.3 10Base-T IEEE802.3u 100Base-TX/FX IEEE802.3x flow control
Switch Properties	MAC Address Table: 1K Packet Buffer Size: 128K Switching mode: Store and Forward Conversion mode: Medium conversion Delay time: <10 $\mu$ s Bit error rate: <1/1000000000
Network Medium	10BASE-T: Cat3,4,5 UTP( $\leq$ 100 meters) 100BASE-TX: Cat5 UTP or better( $\leq$ 100 meters)
Flow Control	Full duplex adopts IEEE 802.3x standard, half duplex adopts back pressure standard
Fiber Optic	Qty:1X100Base-FX Fiber port Optical wavelength:1310nm/1550nm Simplex SC/UPC connector TX Power:-12 to -8dB RX Sensitivity: $\leq$ -30 dBm
Ethernet Port	1x10/100Base-TX RJ45 Port Supports 10/100Base-T auto negotiation and auto-MDI/MDI-X Support 10/100M full/half duplex mode
Transmission Distance	Twisted pair: CAT5e/CAT6(the max distance up to 100m) Single mode fiber:8.3/125, 8.7/125, 9/125, 10/125 $\mu$ m(0-25Km)
LED Indicator	Power,FX SD, FX Link/Act,TX 100,TX FDX,TX Link/Act
Power	External Power Adapter Input Voltage:AC100-240V,50/60Hz Working Voltage:DC 5V 2A
Mechanical	Case: Metal Cooling way: Natural cooling,fanless design Installation:Desktop 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**

<b>Model</b>	<b>Description</b>
HHD-110G-20A	1x10/100Base-TX + 1x100Base-FX, single fiber, single mode, 25Km, SC, Tx1310/Rx1550nm
HHD-110G-20B	1x10/100Base-TX + 1x100Base-FX, single fiber, single mode, 25Km, SC, Tx1550/Rx1310nm

**G-NET TECHNOLOGY CO., LIMITED**

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