

WGT-705A

Smart Gigabit Ethernet Media Converter



WGT-705A supports media conversion between 1000Base-T and 1000Base-SX/LX through the SFP Mini-GBIC module. WGT-705A can be used as standalone units or as a slide-in module to the PLANET Intelligent Media Converter Chassis. With the chassis, WGT-705A can be managed through the RS-232 Console, Telnet, Web and SNMP agent.

The capabilities of WGT-705A include DIP Switch for forced/auto-negotiation and Link pass through function. When LLCF (link loss carry forward) is enabled, the ports do not transmit a link signal until they receive a link signal from the opposite port. When LLR is enabled, the transmitter of the fiber port shuts down if the receiver fails to detect a valid receive link. If one of the optical conductors fails, the converter with LLR enabled will return a no link condition to the link partner. LLCF can be used for either copper or fiber ports. LLR can only be used at fiber port.

As WGT-705A fully complies with IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-SX/LX, the Gigabit media conversion is simply as simple as plug and play.

▶▶ KEY FEATURE

- One-channel media conversion between 1000Base-T and 1000Base-SX/LX
- Provide one SFP (mini-GBIC) port supporting either multi-mode or single mode fiber.
- Auto MDI/MDI-X for TX port
- Front panel status LEDs
- DIP Switch for Force mode or Auto-negotiation and LLR enable/disable
- Support LLCF and LLR function
- Provide intelligent media converter chassis for expansion or being used as a stand-alone device

▶▶ SPECIFICATION

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|-------------------------------|---|
| Product | Smart Gigabit Ethernet Media Converter |
| Model | WGT-705A |
| Hardware Specification | |
| Standards | IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX/LX |
| Copper port | RJ-45 connector |
| Speed | Gigabit Ethernet 2000Mbps for full-duplex |
| Fiber port | SFP (mini-GBIC) |
| Media interface | 1 x RJ-45, 1 x SFP (mini-GBIC) |
| Cable | 1000Base-T: 4-pair STP Cat 5 up to 100m 1000Base-SX: 62. 5/125μm MM fiber optic cable, up to 220m, 50/125μm MM fiber optic cable, up to 550m 1000Base-LX: 62. 5/125μm or 50/125μm MM fiber optic cable, up to 550m 9/125μm SM fiber optic cable, up to 10km |
| LED | PWR, LNK/ACT |
| DIP Switch | Force/Auto-negotiation, LLR enable/disable |
| Power consumption | 5.5 Watts (maximum) |
| Power Input | 7.5V 1.5A |
| Dimensions | 120 x 88 x 25 mm (L x W x H) |
| Environment | Operating Temperature: 0 ~ 40 degree C Storage Temperature: -25 ~ 70 degree C Humidity: 10% ~ 90%, non-condensing |
| Emissions | FCC Class B, CE Class B, VCCI Class B |

▶▶ ORDERING INFORMATION

- ▶ **WGT-705A** 1000Base-T to SFP Mini-GBIC 1000Base-SX/LX
- Related mini-GBIC modules
- ▶ **MGB-SX** 1000Base-SX SFP Mini GBIC module (LC, MM)
 - ▶ **MGB-LX** 1000Base-LX SFP Mini GBIC module (LC, MM/SM)



PLANET Technology Corp.

11F, No. 96, Min Chuan Road, Hsin Tien, Taipei, Taiwan, R.O.C.
 TEL:886-2-2219-9518 FAX:886-2-2219-9528
 E-mail: sales@planet.com.tw http://www.planet.com.tw
 VoIP Gateway : vip.planet.com.tw

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