



Overview

- ✓ The MGIDS-9011XGP is the smallest, an industrial-grade 10G Ethernet media converter (from 1000Base-X SFP+ to 10G/5G/2.5G/1G/100M Base-T Copper) with 802.3bt Power over Ethernet Plus Plus (PoE++) injector function to deliver up to 90W of power output and high data transmission speed to PDs (powered devices) installed in a remote area where sufficient and reliable power input is required, providing non-blocking wire-speed performance and great flexibility for 10G Ethernet extension in harsh industrial environment. It is equipped with one 10G/5G/2.5G/1G/100M Base-T RJ45 copper interface and one 10GBase-X SFP+ fiber optic interface delivered in an IP30 rugged but compact sized strong case with redundant power system (44~57VDC).
- ✓ The MGIDS-9011XGP is ideal for wide applications from copper to fiber media conversion wherever 10GE bandwidth is required in climatically demanding environments with wide temperature.



Highlights

Physical Port

- ✓ 1*port 10G/5G/2.5G/1G/100M Base-T RJ45 interface with IEEE 802.3bt PoE++ injector function
- ✓ 1*port 10GBase-X SFP+ interface

Layer 2 Features

- ✓ IEEE 802.3an/802.3ae Ethernet standard compliant
- ✓ Supports auto-negotiation and 10Gbps full duplex mode

Power over Ethernet

- ✓ Complies with IEEE 802.3bt PoE++ Type-4 PSE
- ✓ Backward compatible with IEEE 802.3af/at PoE+ standard
- ✓ Supports PoE Power up to 90 watts for PoE port
- ✓ Provides DC 55V power over RJ45 Ethernet cable to PD with Ethernet port
- ✓ Auto-detect IEEE 802.3bt equipment and protect device from being damaged by incorrect installation
- ✓ Remote power feeding up to 100m

Industrial Case and Installation

- ✓ Slim-type IP30 metal case
- ✓ DIN rail and wall-mount design
- ✓ 44~57V DC redundant power with reverse polarity protection
- ✓ 100 meters over Cat6A at 10Gbps
- ✓ Plug and Play installation



Product Photo



شرکت موج گستران آداک

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کدپستی: ۱۴۶۶۹۶۹۳۹۴

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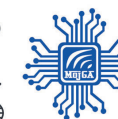


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10G HPoE Media Converter

Data Sheet

Specification

Model	MGIDS-9011XGP
Hardware Specifications	
Copper Interface	1 x 10G/5G/2.5G/1G/100M Base-T RJ45 Auto-MDI/MDI-X, auto-negotiation
Fiber Optical Interface	1 x 10GBase-SR/LR SFP+ interface
Connector	Removable 6-pin terminal block Pin 1/2 for Power 1, Pin 3/4 for fault alarm, Pin 5/6 for Power 2
Alarm	Provides one relay output for power failure
LED	PWR, SYS, Fault Alarm, PoE++ Usage, 10G RJ45 port LNK/ACT, 10G SFP+ port LNK/ACT
Enclosure	IP30 type metal case
Installation	DIN-rail and wall mount
Dimensions (W x D x H)	77 x 37.5 x 107mm
Weight	270g
Power Requirements	44~57V DC, supports reverse polarity protection
Power Consumption	System ON without loading 48V DC: 4.36W Full loading with PoE++ 48V DC: 98W
Power Requirements	
Fabric	20Gbps
Network Cables	10G/5G/2.5G/1G/100M Base-T: 10G - Cat 6A/7 5G - Cat 6/6A/7 2.5G/1G - Cat 5e/6/6A/7 100M - Cat 5/5e/6/6A/7 Cat 5/5e/6/6A/7 UTP cable (max 100 meters) EIA/TIA-568 100-ohm STP (max 100 meters) 10GBase-LR/SR/BX: 50/125um or 62.5/125um multi-mode fiber optic cable, up to 300m 9/125um single-mode fiber optic cable, up to 80km
Power over Ethernet	
PoE Standard	IEEE 802.3bt Power over Ethernet Plus Plus

PoE Power Output	90W
PoE Power Supply Type	End-span + Mid-span
Power Pin Assignment	Mode 1 End-span: 1/2(-), 3/6(+) Mode 2 Mid-span: 4/5(+), 7/8(-)
PoE Power Budget	90 watts@44~57V DC input
Standards Conformance	
IEEE Standards	IEEE 802.3u 100Base-T IEEE 802.3ab 1000Base-T IEEE 802.3bz 2.5G/5GBase-T IEEE 802.3an 10GBase-T IEEE 802.3ae 10Gbps Ethernet IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus IEEE 802.3bt Power over Ethernet Plus Plus
Regulatory Compliance	FCC Part 15 Class A
Environment	
Temperature	Operating: -10°C ~ 65°C Storage: -20°C ~ 85°C
Humidity	5% ~ 95% RH Non-condensing

Order Information

MGIDS-9011XGP

Industrial 10GBase-X SFP+ to 10G/5G/2.5G/1G/100M
Copper 802.3bt PoE++ Media Converter

