


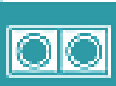


1000Base-X to 10/100/1000Base-T PoE+ Media Converter

GTP-802
GTP-802S
GTP-805A



PoE 	802.3af Mid-span 802.3af	Metal Shape 	10M/100M 1000M	SFP 	Fiber-Optical 
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Presentation Outline

- ◆ **Product Overview**
- ◆ **Product Benefits**
- ◆ **Product Features**
- ◆ **Application**
- ◆ **Comparison**

GTP-802 / GTP-802S



GTP-805A



Product Overview

Model Lists and Description:



GTP-802

SC Fiber Interface with Multi-mode, Distance up to 220m & 550m



GTP-802S

SC Fiber Interface with Single-mode, Distance up to 10km



GTP-805A

LC Fiber Interface, Supports Multi / Single Mode SFP module, Distance up to 120km max. (Varies on SFP module)

Product Overview



PLANET PoE Media Converter Comparison Table

Model	FTP-80X	GTP-80X
RJ-45 Data Input	1	1
RJ-45 "Data + Power" Output	1	1
Data Rate	10/100Mbps	10/100/1000Mbps
PoE Standard	IEEE 802.3af PoE	IEEE 802.3af PoE IEEE 802.3at PoE
Power Output	PoE 48V DC	PoE 52V DC
PoE Budget	15.4 Watts	30 Watts

Product Overview

Product Outlook of GTP-802 / GTP-802S

✓ 1 x Fiber Optic port – SC Interface

- 1000Base-X
- Up to 550m for GTP-802
- Up to 10km for GTP-802S

✓ 1 x RJ-45 TP port

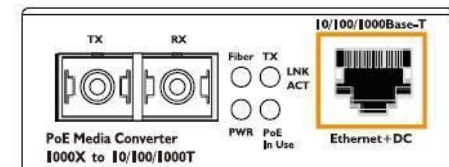
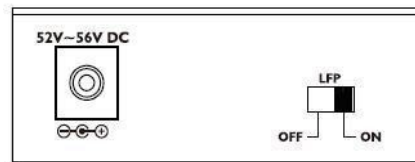
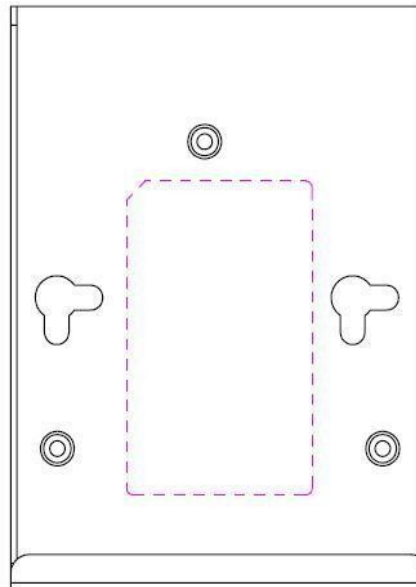
- 10/100/1000Base-T
- Auto-MDI/MDI-X
- Auto Negotiation

✓ 1 x DIP Switch

- Link Fault Pass Through (LFP)

✓ 1 x DC Connector

- Supports 52 ~ 56V DC

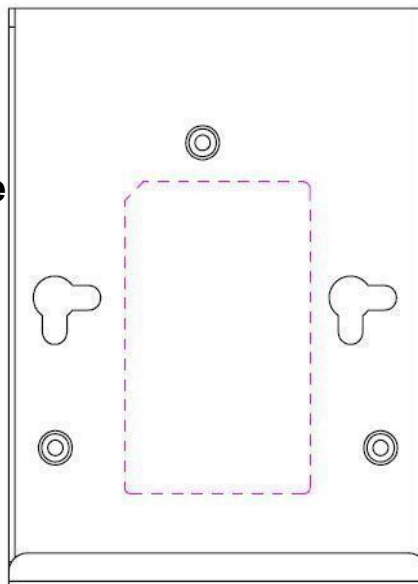


Product Overview

Product Outlook of GTP-805A

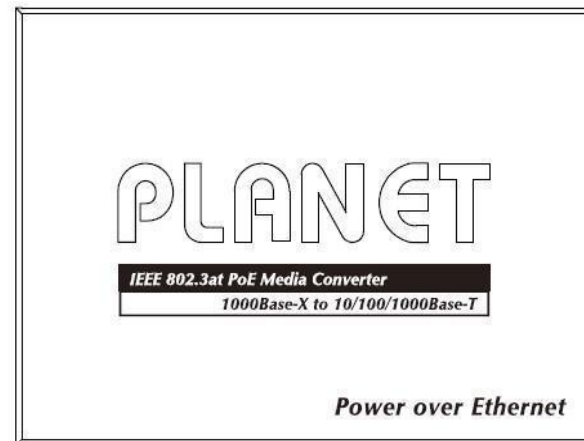
✓ 1 x Fiber Optic port – LC Interface

- 1000Base-X
- Distance
– Varies on SFP Module



✓ 1 x RJ-45 TP port

- 10/100/1000Base-T
- Auto-MDI/MDI-X
- Auto Negotiation

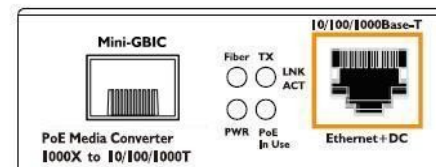
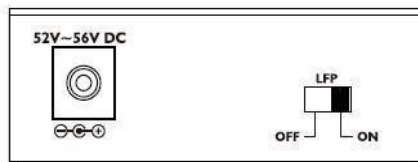


✓ 1 x DIP Switch

- Link Fault Pass Through (LFP)

✓ 1 x DC Connector

- Supports 52 ~ 56V DC



Key Benefits

- ◆ **Gigabit High Power over Ethernet Mid-span PSE Solution**
 - ✓ **Auto-detect of PoE IEEE 802.3at Pre-standard / IEEE 802.3af standard** equipment, protect devices from being damaged by incorrect installation
 - ✓ Provide PoE power up to **30Watts**
 - ✓ Compatible with **IEEE 802.3at / IEEE 802.3af** PoE Splitter equipment
- ◆ **Implements with Existing Cat 5 / 5e / 6 Copper Wires**
- ◆ **Compatible with PLANET OAM media converter**
- ◆ **Fiber-Optical Extend the Range of Network Deployments**
 - ✓ GTP-802: **Distance up to 220m & 550m**
 - ✓ GTP-802S: **Distance up to 10km**
 - ✓ GTP-805A: **Distance up to 120km max. (Varies on SFP module)**
- ◆ **Easy Installation**
 - ✓ Without software configure
 - ✓ Plug and Play

Product Features

◆ Standard

- ✓ Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab 10/100/1000Base-T
- ✓ Complies with IEEE 802.3z 1000Base-X
- ✓ Complies with IEEE 802.3af Power over Ethernet Standard
- ✓ Complies with IEEE 802.3at Power over Ethernet Pre-Standard

◆ Interface

- ✓ One 10/100/1000Base-T Copper, Auto-negotiation and Auto-MDI/MDI-X
- ✓ One 1000Base-X Fiber optical interface, SC/LC connector (Varies on Module)

◆ Power over Ethernet

- ✓ PoE PSE (Power Sourcing Equipment) , Mid-Span
- ✓ Provides DC 52V power over RJ-45 Ethernet cable to device with Ethernet port
- ✓ Auto-detect of POE IEEE 802.3at / IEEE 802.3af equipment, protect devices from being damaged by incorrect installation

◆ Mechanical

- ✓ LED indicators for easy network diagnose
- ✓ Compact size and standalone Operation
- ✓ External 52V/0.58A DC power supply
- ✓ Plug and play

Application

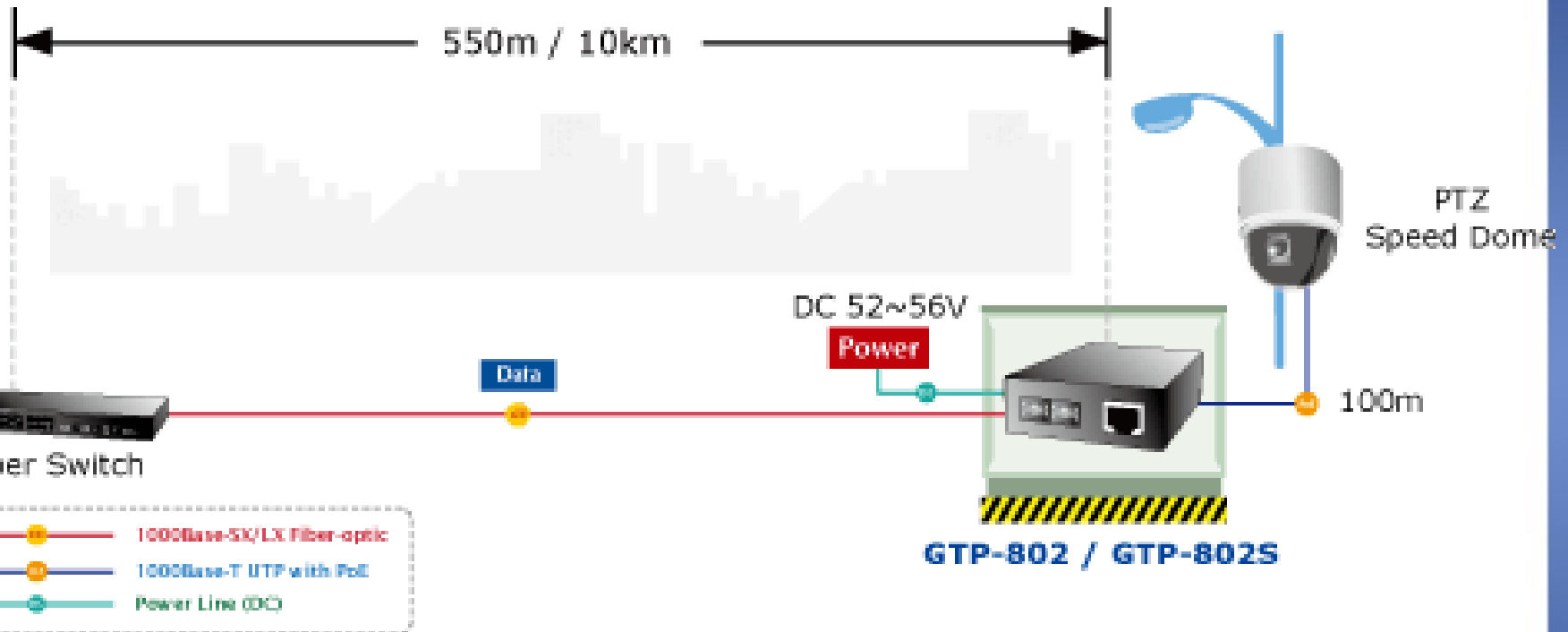
◆ The IEEE 802.3at / IEEE 802.3af Equipment Installation

✓ For the places hard to find the power inlet, the GTP-80X provide the easiest way to power your Ethernet devices in the various network environment. Such as :

- Wireless Access Point
- IP Camera
- SIP IP Phone
- IEEE 802.3at / IEEE 802.3af Power over Ethernet Splitter with non PoE Internet Camera and AP

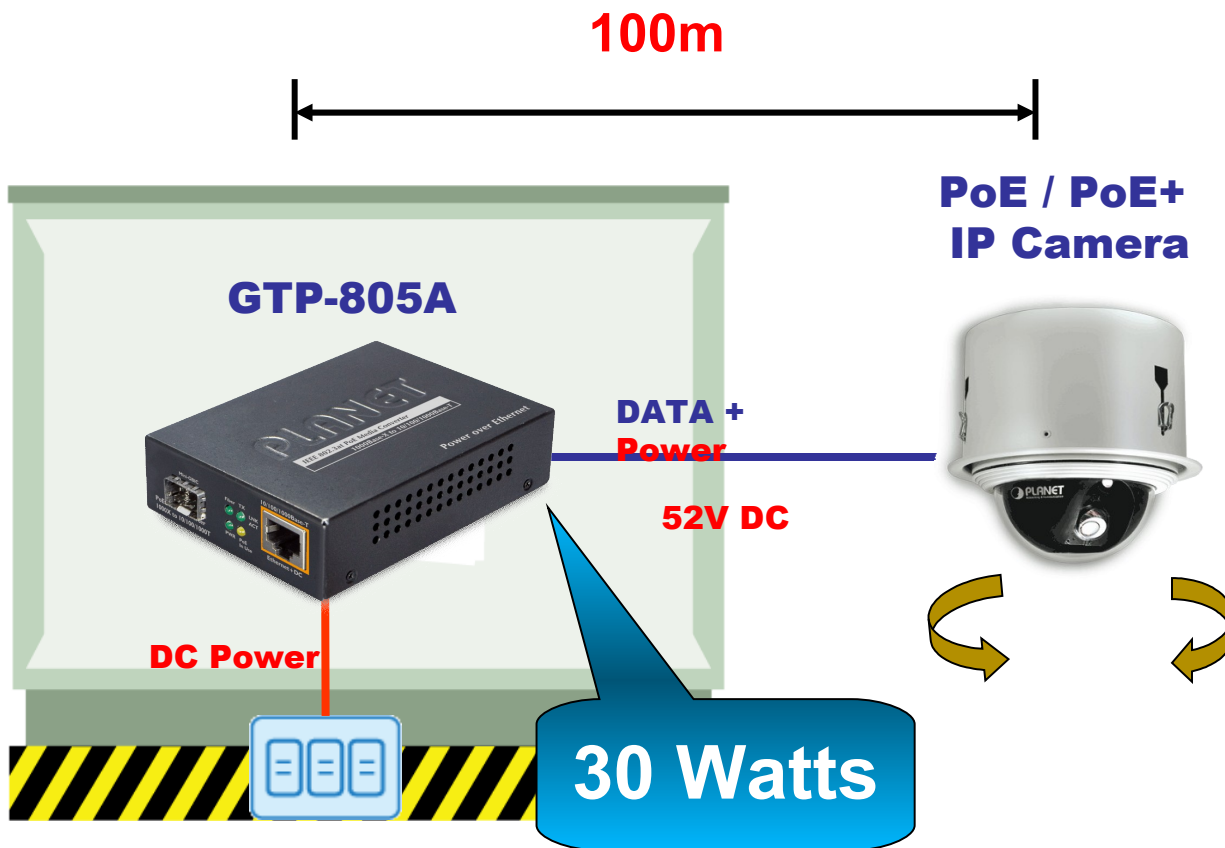






Application (1)

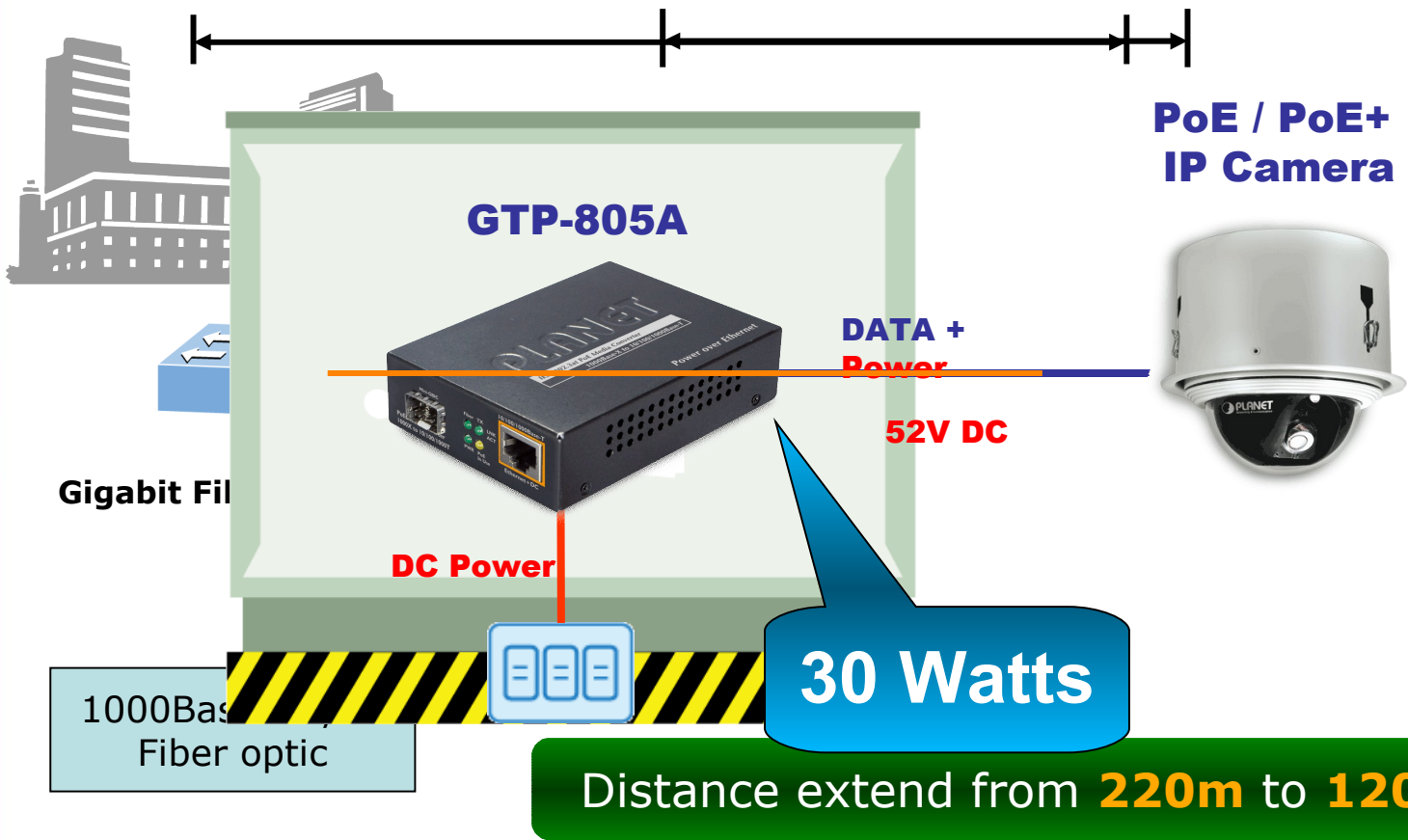
- ◆ PoE Media Converter <--> PoE Devices (PD)



Application (1)

◆ PoE Media Converter <--> PoE Devices (PD)

550m ~ 120km 100m



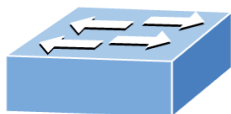
Application (2)

- PoE Media Converter + PoE Splitter <--> Non PoE Devices

550m / 10km

100m

Ethernet Fiber Switch



DATA

GTP-802 / GTP-802S



DC Power



DATA +
Power

52V DC

PoE Splitter (PD)



DATA

Power

12V DC

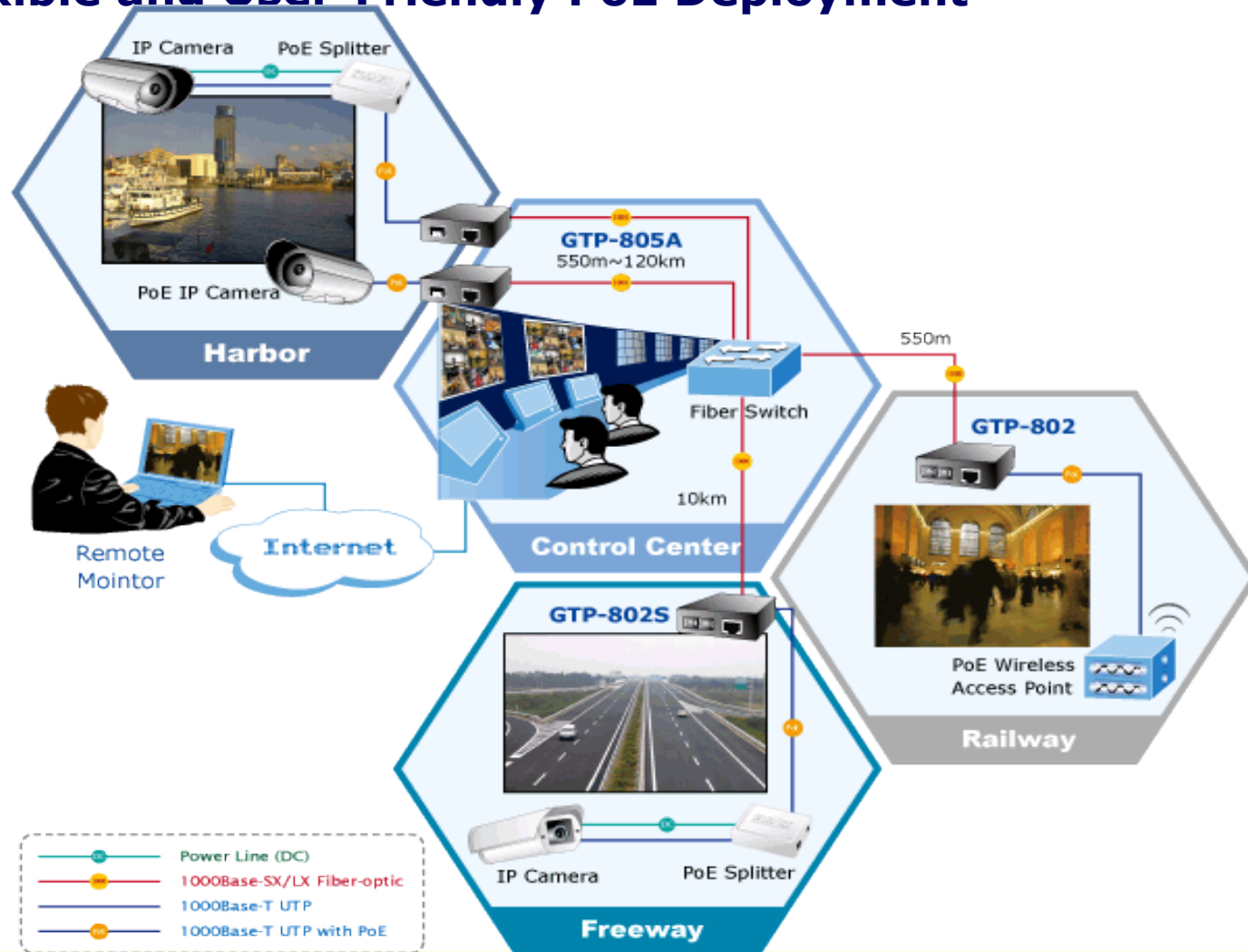
Non-PoE IP Camera





30 Watts

Application (3)

◆ Flexible and User-Friendly PoE Deployment



Product Comparison with FTP-80X

	GTP-80X	FTP-80X
Product Outlook		
Product Specification		
Ethernet Interfaces	10/100/1000Base-T / 1000Base-X	10/100Base-TX / 100Base-FX
Fiber Optical Type	GTP-802 / 802S : SC Interface GTP-805A : SFP LC Interface	FTP-802: SC Multi-Mode FTP-802S15: SC Single Mode
Power input	52V DC, 0.58A / External Power Supply	48V DC, 0.4A / External Power Supply
LED indicator	PWR, Fiber LNK/ACT, TP LNK/ACT and PoE In Use	PWR, FX LNK/ACT, TX LNK/ACT and PoE In Use
OAM Controllable	YES	None
DIP Switch	LFP function	LFP function
PoE Standard	802.3af / 802.3at	802.3af
PSE Type	Mld-Span	End-Span
PoE Power Output	30W	15.4W
Power Pin Assignment	4/5(+), 7/8(-)	1/2(+), 3/6(-)
Ethernet Standard	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3z Gigabit Ethernet over Fiber-Optic IEEE 802.3x Flow Control IEEE 802.3af PoE IEEE 802.3at PoE enhancements pre-standard IEEE 802.3ah OAM	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3af PoE
Operating environment	0~50°C	0~50°C
Storage environment	-40~70°C	-40~70°C
Emission	FCC Part 15 Class A, CE	FCC Part 15 Class A, CE

Product Comparison with Vendor

	PLANET GTP-80X	Black Box LPS530A-MM	OmniConverter GPoE+/S
Product Outlook			
Mounting			
Dimension (W x D x H)	94 x 70 x 26mm	158 x 40 x 13mm	114 x 152 x 25mm
Weight	0.21 kg	0.6kg	0.72kg
Power input	52V DC, 0.58A	100–240 V AC, 50/60 Hz Internal Power	100–240 V AC, 50/60 Hz Internal Power
PoE Power Output	30W	30W	25.5W
Ethernet Interfaces	10/100/1000Base-T / 1000Base-X	10/100/1000Base-T / 1000Base-X	10/100/1000Base-T / 1000Base-X
Fiber Optical Type	GTP-802 / 802S : SC Interface GTP-805A : SFP LC Interface	SC Multi-mode	LC / SC interface
LED indicator	PWR, Fiber LNK/ACT, TP LNK/ACT and PoE In Use	PWR , FX LNK/ACT, TX LNK/ACT 10/100/1000Mbps, PoE 1 and PoE 2	--
OAM Controllable	YES	None	None
DIP Switch	LFP function	LFP function	None
Ethernet Standard	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3z Gigabit over Fiber-Optic IEEE 802.3x Flow Control IEEE 802.3af PoE IEEE 802.3at PoE pre-standard	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3z Gigabit over Fiber-Optic IEEE 802.3x Flow Control IEEE 802.3af PoE IEEE 802.3at PoE pre-standard	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3z Gigabit over Fiber-Optic IEEE 802.3at PoE enhancements pre-standard
Operating environment	0~50°C	0~50°C	0~50°C
Storage environment	-40~70°C	-40~70°C	-40~80°C
Emission	FCC Part 15 Class A, CE	FCC Part 15 Class A, CE	UL, CE, FCC Class A

Appendix Sales Target

◆ Target Markets

- ✓ IP Surveillance integrator
- ✓ Wireless / VoIP service provider
- ✓ System Integrator
- ✓ Hotel / Internet cafe
- ✓ Service Provider

◆ Target Customers

- ✓ Who needs High Power Gigabit PoE solution?
- ✓ Who buys PLANET 802.3af PoE Switch / injector Hub / injector?
 - GSD-802PS / SGSW-24040P / SGSW-24040P4 / POE-1200G / POE-2400G / POE-151 / POE-152 / POE-161
- ✓ Who buys PLANET PoE powered devices (PD)
 - PoE IP surveillance: ICA-H312, ICA-107P, ICA-750, IVS-110
 - PoE VoIP Phone / ATA: VIP-254PT, VIP-255PT, VIP-351PT
 - PoE Wireless AP : WAP-4060PE, WAP-4033PE , WNAP-3000PE
 - PoE Splitter: POE-151S, POE-152S, POE-161S

Appendix

◆ Available Modules: ✓ 1G SFP Transceiver

MGB-GT	SFP-Port 1000Base-T Module – 100m
MGB-LX	SFP-Port 1000Base-LX mini-GBIC module - 10km
MGB-SX	SFP-Port 1000Base-SX mini-GBIC module - 550m
MGB-L30	SFP-Port 1000Base-LX mini-GBIC module - 30km
MGB-L50	SFP-Port 1000Base-LX mini-GBIC module - 50km
MGB-L70	SFP-Port 1000Base-LX mini-GBIC module - 70km
MGB-L120	SFP-Port 1000Base-LX mini-GBIC module - 120km
MGB-LA10	SFP-Port 1000Base-LX (WDM, TX:1310nm) mini-GBIC module-10km
MGB-LB10	SFP-Port 1000Base-LX (WDM, TX:1550nm) mini-GBIC module-10km
MGB-LA20	SFP-Port 1000Base-LX (WDM, TX:1310nm) mini-GBIC module-20km
MGB-LB20	SFP-Port 1000Base-LX (WDM, TX:1550nm) mini-GBIC module-20km
MGB-LA40	SFP-Port 1000Base-LX (WDM, TX:1310nm) mini-GBIC module-40km
MGB-LB40	SFP-Port 1000Base-LX (WDM, TX:1550nm) mini-GBIC module-40km
MGB-TSX	SFP-Port 1000Base-SX mini-GBIC module - 550m (-40~75°C)
MGB-TLX	SFP-Port 1000Base-LX mini-GBIC module - 10km (-40~75°C)
MGB-TL30	SFP-Port 1000Base-LX mini-GBIC module - 30km (-40~75°C)
MGB-TL70	SFP-Port 1000Base-LX mini-GBIC module - 70km (-40~75°C)

Relative Products

POE-151S	IEEE 802.3af Power Over Ethernet Splitter with 5V/12VDC output (10/100Mbps)
POE-152S	IEEE 802.3af Power Over Ethernet Splitter with 5V/12VDC output (10/100/1000Mbps)
POE-161S	IEEE 802.3at High Power over Ethernet Splitter with 5V/12VDC output (10/100/1000Mbps)
ICA-HM131	H.264 Fixed Dome IP Camera
ICA-HM126	Full HD H.264 Box IP Camera
ICA-HM132	2 Mega-Pixel 20M IR Vari-Focal Dome IP Camera
ICA-HM136	2 Mega-Pixel 15M IR Vandal Proof Dome IP Camera
ICA-HM710	10x Optical Zoom WDR IP Camera
ICA-HM718	18x Optical Zoom WDR IP Camera
ICA-HM830	2 Mega-Pixel H.264 Fisheye IP Camera
WNAP-C3220	300Mbps 802.11n Wireless Ceiling Mount Range Extender
WNAP-3000PE	802.11n Enterprise PoE Access Point
VIP-254PT	802.3af PoE SIP IP Phone
VIP-255PT	Multi-Language PoE IP Phone
VIP-360PT	Business PoE IP Phone
VIP-560PE	Professional PoE IP Phone with Expansion Function
VIP-560PT	Professional PoE IP Phone



ACTIVATING IP POWER