TP-MS308/TP-MS316/TP-MS324 Power Source Equipment (AC+DC Input, Gigabit PoE Midspan)

USER'S MANUAL





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1. Introduction

Tycon's TP-MS308/TP-MS316/TP-MS324 is an AC+DC input, gigabit PoE Midspan (Power Sourcing Equipment), which injects power over data-carrying Ethernet cabling. The TP-MS308/TP-MS316/TP-MS324, support 8, 16 and 24 ports respectively in a 10/100/1000BaseT Ethernet network, over TIA/EIA-568 Category 5/5e/6 cabling. DC operating power, for data terminal units, is fed over data pairs C (4/5) and D (7/8) of the cabling. Remote management of up to 8 units via TCP/IP protocol is featured, which allows greater flexibility in the locating of network devices and significantly decreasing installation costs in many cases.

The TP-MS308/TP-MS316/TP-MS324 follows the IEEE 802.3af standard and is completely compatible with existing Ethernet switches and networked devices. This device normally powers PDs (Powered Devices) that are Power over Ethernet enabled or are equipped to receive power over Ethernet. The PSE tests whether a networked device is PoE-capable and power is never transmitted unless a Powered Device is at other end of the cable. It also continues to monitor the channel. If the Powered Device does not draw a minimum current, because it has been unplugged or physically turned off, the PSE shuts down the power to that port. Devices which are not equipped to receive power over Ethernet an external splitter in order to be powered. Contact TYCON for such a splitter.

Features

8/16/24 port Power Sourcing Equipment (PoE midspan)
Support 8/16/24 ports full load, max. 134W/268W/403W
IEEE802.3af compliance
Remote power feeding of Ethernet terminals up to 100 meters
Auto detect PD, and support manual detect PD
Centralized power distribution for PoE powered Device (PD)
Independent overload and short-circuit protection per channel
Supports IEEE 802.3af non-standard device
Auto refresh port status and support Plug and Play feature for PD
Standard 19" or 23" rack mountable
DIY upgrade from 8 port to 24 port available
Remote manage up to 8 units via TCP/IP protocol
DC input available, can work with battery, non-interrupt performance.

Package Contents

Unpack the contents of the TP-MS308/TP-MS316/TP-MS324 and verify them against the checklist below.

TP-MS308/TP-MS316/TP-MS324 x 1 Power Cord x 1 Bracket x 2 (for 19" rack mounted) CD-ROM x 1 (Software Utility + User Manual)

Compare the contents of your TP-MS308/TP-MS316/TP-MS324 package with the standard checklist above. If any item is missing or damaged, please contact your local dealer for service.

2. Hardware Description

This Section mainly describes the hardware of the TP-MS308/TP-MS316/TP-MS324 and gives a physical and functional overview.

Physical Dimension

TP-MS308/TP-MS316/TP-MS324 physical dimension is: 430mm x 290mm x 44mm (Lx W x H) (1U,19" or 23" Rack mountable)

Front Panel



Figure 2-1. The Front panel of TP-MS308/TP-MS316/TP-MS324

The Front Panel of the TP-MS308/TP-MS316/TP-MS324 consists of 8/16/24 x RJ-45 Ethernet ports (data), 8/16/24 x RJ-45 PoE ports (data + power), 8/16/24 x LED port indicators, one LED power indicator and one RJ-45 remote control port (include one LED).

LED Indicators

The LED Indicators gives real-time information of systematic operation status. The following table provides descriptions of LED status and their meaning.

LED	Status	Color	Description
			A network device is
	On	Groop	detected(10/100/1000 Mbps)
	OII	Oleen	but no communication activity is
D M5			detected
1(040			The Ethernet port is transmitting
	Blinking	Green	to, or receiving package from
			another device
	Off		No device is detected
	On	Green	Power feeding normally
Power	On	Red	Power or fan alarm
	Off		Power off
	On	Green	Power feeding
	Blinking	Orange	Detecting
	0.7	Orango	The port has been shutdown
Porte		Orange	No power feeding
1 0113	On	Pod	Alarm
		Neu	No power feeding
	Off		Unknown device attached
	Oli		No power feeding

Table 2-1. The Description of LED Indicators

Rear Panel



Figure 2-2. The Rear Panel of TP-MS308/TP-MS316/TP-MS324

The AC inlet, DC input terminal and 2 Ventilation fan are located at the rear panel of the TP-MS308/TP-MS316/TP-MS324. The device will work with AC in the range 100-240V AC, 50-60Hz. Or work with DC -48V(-42V~-57V).

Power On

Connect the power cord to the power socket on the rear panel of the PSE. The other side of power cord connects to the power outlet. The internal power supply of the PSE works with the voltage range of 100V-240VAC, frequency 50~60Hz, or with voltage range of DC -42V~-57V. Check the port, the power indicator will self-test on the front panel to see if power is properly supplied.

Network Application

The PSE can provide power to the PD which follow the IEEE 802.3af standard in the network. It can solve the problem of position limitation. The network device can be installed in a more appropriate position for better performance. The following figure is an example of a network application for PSE



TP-MS308/TP-MS316/TP-MS324

RJ-45 Remote Control Port

TP-MS308/TP-MS316/TP-MS324 can remotely manage the PoE via the network. To manage TP-MS308/TP-MS316/TP-MS324, you must to set the

TP-MS308/TP-MS316/TP-MS324 TCP/IP parameter.

TP-MS308/TP-MS316/TP-MS324 allowed you to use a standard Web-browser such as Microsoft Internet Explorer or Mozila, to set the TCP/IP parameter.

Before you use the web interface to set the PoE TCP/IP, verify that

TP-MS308/TP-MS316/TP-MS324 is properly installed on your network and PC on the network can access PoE via the web-browser.

1. Verify that PC network interface card (NIC) is operational on the TCP/IP protocol.

2. Supply power to TP-MS308/TP-MS316/TP-MS324.

3. Use RJ45 cable, connect TP-MS308/TP-MS316/TP-MS324 direct to your PC.

4. Make sure the TP-MS308/TP-MS316/TP-MS324 default IP is 192.168.1.10.

5. Set your PC IP to 192.168.1.2 or other IP address which is located in the 192.168.1.x subnet.

6. Make sure the connector is OK (Ping 192.168.1.10 on the DOS mode).

7 Start the web-browser and type <u>http://192.168.1.10</u> (or used PoE IP setting icon in the PoE management software).

8. The login in screen will appear next.

http://192.168.1.10/ - Microsoft Internet Explorer		
檔案(E) 编辑(E) 檢視(E) 我的最爱(A) 工具(E) 民族	月(日)	RI
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周接 ① 1 http://192.168.1.10/		🖌 🛃 移至 連結 🎽
	NCCO TOMINI	
	Street 102 168 1 10	
	Sile: 192.100.1.10	
	Deserver de	
	OK	

9. Key in ID (user name) and password to enter PoE TCP/IP parameter setting. Default ID and password is admin and system.

10. TP-MS308/TP-MS316/TP-MS324 TCP/IP parameter has 4 pages interface (administrator setting, TCP Mode, UDP Mode and UART). You must change the administrator & TCP mode to fit your network.

11. Administrator setting: you can assign nickname, IP setting, user name, password and view system information.

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生① 🗃 http://192.168.1.10/		546	🔽 🔂 修至 🧏 總統			
Administrator Setting CP Mode JDP Mode JART	Administrator Setting					
teset Device	Kernel Version	V1.43 2010/	01/21			
	MAC Address	00:50:C2:C9:	70:00			
	Nickname					
	IP Setting					
	IP Address	192 168 1	192 168 1 10			
	Subnet Mask 255 255 0					
	Gateway	192 168 1 1				
	IP Configure © Static O DHCP					
	Password Setting		0			
	Username	admin	max:15			
	Password	•••••	max:15			
	Confirm	•••••				
		Update				
	Load Default Setting to EEPROM	Load				

Nickname: You can assign a name to the device.

IP Address: You must assign the IP address reserved by your network. The default IP is 192.168.1.10.

Subnet Mask: You can assign the subnet mask for the IP address. The default subnet mask is 255.255.255.0.

Gateway: You can assign the gateway here. The default gateway is 192.168.1.1.

IP Configure: You must assign to Static for PoE serve operation. The default IP configure is Static.

Username: You can assign new user name. The default setting is admin.

Password/Confirm: You can type in new password here. The default setting is system.

When you have finished the set up, click on Update to update your setting.

	Colored Manual Color. 3 1	2 40			
問址① 🔊 http://192.168.1.10/		💙 🛃 移至 逆結 *			
Administrator Setting TCP Mode UDP Mode UART	TCP Control	X			
Reset Device	Item	Value			
	Telnet Server/Client				
	Port Number	23			
	Remote Server IP Address	210 200 181 102			
	Client mode inactive timeout	20 minute (1~99,0=Disable)			
	Server mode protect timeout	0 minute (1~98,0=Disable,99=Can't replace)			
	Uplate				

12. TCP Mode: You can update the TCP control parameter here.

Telnet Server/Client: Set to Server for PoE management operation.

Port Number: You can assign port number for TCP/IP operation. The default Port Number is 23.

Remote Server IP Address: Unused.

Clint mode inactive timeout: Unused.

Server mode protect timeout: Set to 0(Disable) for normal operation.

When you have finished the set up, click on Update to update your setting.

13. UDP Mode: This mode is not used in the PoE application.

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址(1) 🛃 http://192.168.1.10/	1	🔀 🔂 修王 運給
Administrator Setting ICP Mode JDP Mode JART	UART Control	
Reset Device	Item	Setting
	Mode	R\$232 🗸
	Baudrate	9600 🖌
	Character Bits	8 🛩
	Parity Type	acias 💌
	Stop Bit	1 💌
	Hardware Flow Control	none 💌
	Delimiter	Character 1: 00, Character 2: FF Silent time: 5 (1~255)*200ms Drop Character
		Update

14. UART: You must set UART Control to RS232,9600,8,N,1 for PoE operation.

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Administrator Setting TCP Mode UDP Mode UART	UART Control				
Reset Device	Item	Setting			
	Mode	R5232 🛩			
	Baudrate	9600 👻			
	Character Bits	8 🕶			
	Parity Type	acas 🛩			
	Stop Bit	1 🛩			
	Hardware Flow Control	none 💌			
	Delimiter	Character 1: 00, Character 2: FF Silent time: 5 (1~255)*200ms Drop Character			
	Update				
		Update			

Mode: Set to RS232 for PoE operation.

Baud rate: Set to 9600 bps for PoE operation.

Character Bits: Set to 8 bits for PoE operation.

Parity Type: Set to none parity for PoE operation.

Stop Bit: Set to 1 stop bit for PoE operation.

Hardware Flow Control: Set to none flow control for PoE operation.

When you have finished the set up, click on Update to update your setting.

15. When you have configured your set up, you must reset the device to take effect.



3. Software Utility Installation

Before you start to remote configure the PD, please install the software utility. Through the software utility, you can easily to control the PD which connects with PoE and view the PD parameter information. The software utility provides GUI interface and it is easy to install. The software utility supports Windows environment – Window 98, 2000, XP, Vista and Window 7. Please follow the below steps to install the software utility.

- 1. Insert the software utility CD-ROM into your CD-ROM drive.
- 2. Run the "setup.exe".
- 3. You will see the installation screen display.
- 4. Then, click the "Next" button to go next step.



4. GUI Management

Display and Illustration

Connect the PSE with a PC through the remote control port. Then, run the software utility (Netclient). You will see the main utility interface below.



System Login

Run the management software or click "File", and select "Login", the system will show the diagram below



Now enter the password, first enter the default setting which is "0000"

Modify Password

Click "File" and select "Modify PSW", you can modify the password, the system permits 3 sets of password.

LAN MAIN	
<u>File <u>G</u>UI <u>Config</u> <u>StatusDisp</u> <u>T</u>est</u>	
1 2 3 4	5 6 7 8
REMOTE	Module:24 Port -
TCP/IP Status	Status
TCP/IP Client Connection	·
Station: Station Name: Address:	PoE IP
1 W REMOTE 192.168.1.10) 23 Setting
2	
3	
	1 0000
4	2 POE save
5	3 MSE close
6	
7	Setting
8	Setting
Edit View	Chang Browse
	· · · · · · · · · · · · · · · · · · ·

Edit Station TCP/IP

In the TCP/IP Status display window, you can edit the station name, TCP/IP address and port number. Click the Edit icon to modify this parameter. In the Edit window, click the View icon to display TCP/IP parameter.

te lan main	
File GUI Config. StatuaDisp	
Station Selection	6 7 8 -
1138-1 138-2 MINMINIMIN TEST 1137-1	11372 12349578 Leat
	Module 8 Port
TCP/IP Status	Status
TCP/IP Client Connection	
Station Station Name: Address Port	PoF IP
1 1 1 1 1 38-1 192 1 1 38 23	Setting
	Setting
3	Setting
	Setting
	Series 1
	Setting
6	Setting
	Setting
	Satisa
Edit View	Chang Browse
	<u>s</u>

Station Name: You can assign a name to the PSE device. Address: You can assign the IP address for this PSE station. Port:: You can assign the port number for this PSE station.

Edit Remote PoE IP

In the TCP/IP Status display window, you can use "PoE IP Setting" icon to start the web-browser. To modify the remote PoE TCP/IP parameter, please reference RJ-45 Remote Control Port of section 2 Hardware Description (page 7).

UP LAN MAI	1							
File GUI Co	nfig. StatusDisp				/	/		
Station Select	tion 2	3 4	5	6	7	8	Inter (
						0		
1.1.38-1	1.1.38-2 MNM	NMNMN TEST	1.1.37-1	1.1.37-2	123-9678	test-1	u u la Dort	
	J]						Module o Port	<u> </u>
TCP/IP Statu					/		Status:	~
	TCP/IP Client	Connection		/				
Station:	Station Name:	Address:	Port:	POEIP				
1 🔘	1.1.38-1	192.1.1.38	23	Setting				
2 🔘				Setting				
3 🕥		[[•]		Setting				
4 🔘				Setting				
5 🔘				Setting				
6 🔘				Setting				
7 🔘	[·			Setting				
8 🕥				Setting				
	Edit	/iew		Chang Browse				3
			/				20	2

Change Browse icon: You can use this icon to change the web-browser for remote PoE IP edit. The default web-browser is Microsoft Internet Explorer.

GUI Connect

In the TCP/IP Status display window, edit TCP/IP parameter, then click "GUI" and select "Connect All" command or click "connect" icon, if the Station Select window shows the name icon and displays power status (green or red) light, it means that the PSE connection is correct. You can then select station to configure you PSE.

I LAN MAU	8						
File GUI Lo	nfig StatusDisp						
-Sta Conne Discon	ct All mect All	3 4	5	6	7	8	(Ma)
1.1.38-1	1.1.38-2 MNM	NMNMN TEST	:1:1:37:1	1.1.37-2	12345678	test 1	Module 24 Port -
TCP/IP Statu	s						Status:
	TCP/IP Client	Connection					Sent GET BOARD STATUS command! Sent GET BOARD STATUS command! Read configuration parameter done!
Station:	Station Name:	Address:	Port:	PoE IP			
1 🔘	1.1.38-1	192.1.1.38	23	Setting			
2 🕥				Setting			
3 🌑	[_		Setting			
4 🕥				Setting			
5 🕥				Setting			
6 🔘	[Setting			
7 🕥				Setting			
8 🕥				Setting			
	Edit	iew.		Chang Browse			
							41 (R)

GUI connect example:

In the Station Selection window, the "LED" indicates real time connection of PSE.

Green-----this connection and PSE power are normal.

Red------this connection is OK but PSE power is not correct.

Orange---this connection is not working ...

Gray-----this station is not setting.

In the TCP/IP Status window, the "LED" indicates real time status of TCP/IP.

Green-----TCP/IP connection is OK.

Red-----TCP/IP connection is not working.

Gray-----TCP/IP parameter is not setting.

NI LAN MAIN	
File GUI Config. StatusDisp Test	
Station Selection	
1.1.381 1.1.382 MNMNMNMN 1.1.374	1.1.37-2 12345678 Module 8 Port
TCP/IP Status Port Status	Status
TCP/IP Client Connection	Connect all server Sent GET BOARD STATUS command! Read configuration parameter done!
Station: Station Name: Address: Port.	PoE IP
1 11.1.38-1 [192.1.1.38 [23	Setting
2	Setting
3 🔴 📃 📃	Setting
4	Setting
5 🔴	Setting
6	Setting
7 🔴 🔽	Setting
8	Setting
Edit	Linang srowse

Station and Status Window Select

The PSE management software can monitor 8 PSE simultaneously. In the GUI Disconnect mode, only the TCP/IP Status display window can be used to set the TCP/IP parameter. In the GUI Connector mode, there three display windows can choose - TCP/IP Status/Port Status/Board Status.

Port status and Board Status show relative PSE Station status. If you want to change the status display window, only use the mouse to choose the relative word icon. If you want to change the station, also use the mouse to choose the station name icon.

Station Select display icon		Status display i	icon
File GUI Config. StatusDisp Test			
Station Selection 2 3 4	5	6 7	8
9 9 / 9		•	
1,1.38-1 1.1.62 MINMINIMIN	1.1.37-1	1.1.37-2 12345678	Module 8 Port -
TCP/IP Status Port Status Board Status			Status
TCP/IP Client Connection			Read configuration parameter done!
Station: Station Name: Address:	Port:	PoE IP	
1 🕘 1.1.38-1 [192.1.1.38	23	Setting	
2		Setting	
3		Setting	
4		Setting	
5 🔴		Catting	1
6 🔵 🔽	'	Setting	
7 🔴 🔽		Setting	
8 🕘 🗍		Setting	
Edit View		Chang Browse	

Configuration

In the "Module" window, select the suitable port that you require, then, click "Config", and select "Setup", the screen will show the system control panel as below.



Set icon: Apply the operation mode to PSE system.

Set Enable/Set Disable icon: Change the Board Status window to set enable/disable. Factory icon: Apply the factory setting to PSE system.

You can setup Operation Mode/ AC Disconnect/ DC Disconnect of each port individually, then, click "Set".

PSE port operates in one of three modes: auto mode, force mode and shutdown mode. In auto mode, the port will detect and classify a PD to connect to, then immediately turn on the power if the detection was successful. In force mode, the port will not detect and classify a PD to connect to, but immediately turn on the power to the port. In shutdown mode, the port is disabled and does not detect or power on a PD.

Factory Setting

Click "Config", and select "Factory" or click the "Factory" icon. The screen will show the factory setting control panel as below:

LAN MAIN											
ile GUI Config	Stab	mDisp	/								and a second
Station S Setup GetB	loardSi	iatus 38-2	MNM	3)))	1	1EST	1	5	1.1.37	2 12345 78 4	
TCPAPSuper	Dark Ck	abur B	owd St.	where 1			-				
TCP/IP Status P	-on st	atus o	odia oli	I							Sent GET BOARD STATUS command!
PORT:	1	2	3	4	5	6	7	8		PoE Board Stat	us
Show Down	C	0	C	C	C	C		C			
Auto		c	C	C	C	C	0	C			
Force	C	C	c	č	C	C	C.	C			1
AC Disconnect	V	F	F	-	E	F	T.	F	6.41		
DC Disconnect	Г	1	1	1	1	1	ii.	1	36		
PORT:	9	10	11	12	13	14	15	16			i i i i i i i i i i i i i i i i i i i
Show Down	C	0	C	C	C	C	C	C			
Auto	C	0	Ċ	C	C	C	0	C			
Force	0	0	0	0	C	C	0	0			
AC Disconnect	Г	Г	Г	Г	Г	Г	Г	Г	Set		
DC Disconnect	Г	Г	Г	Г	Г	Γ	Г	Г			
PORT:	17	18	19	20	21	22	23	24			
Show Down	0	0	C	C	C	C	0	C			
Auto	C	C	Č.	č	C	10	i c	C.			
Force	0	0	0	0	C	C	C	0			
AC Disconnect	Г	Г	F	Г	Г	F	Г	F	Set	· · · · · · · · · · · · · · · · · · ·	
DC Disconnect	Г	-	Г	Г	Г	Г	Г	Г		Set Enable Fac	tory

then click "Y" for the Factory Setting.

Factory setting as below:

Operation Mode \rightarrow Auto (Auto, Force & Shutdown)

AC Disconnect \rightarrow On (On & Off)

DC Disconnect \rightarrow Off (On & Off)

LAN MAIN												501			
e GUI Config	Stat	usDirp													
Station Selection		2		3		4		5	6	7	8				
•	((ų,	۲			0			🗱 🛲 🔤 🔛			
1.1.38-1	1.6	38-2	MNS	NMNM	1_	TEST		1.1.37-1	1.1.3	12345678	6951	Module 24 Port -			
TCP/IP Status P	ort St.	atus B	oard St	atus								Status:			
PORT:	1	2	3	4	5	6	7	8		PoE Board Sta	tus	Sent GET BDARD STATUS command! Read configuration parameter done!			
Show Down	0	•	C	C	C	0	0	0				Read configuration parameter donell			
Auto	•	1	C	3	8	C	č	Ċ				Sent GET BOARD STATUS command!			
Force	C	C	C	C	0	C	0	0				Sent Factory setting!			
AC Disconnect	1	F	100	173	F	-	-	-	Sed			Sent Factory setting!			
DC Disconnect	Г	r	Г	E	Π	-	E	1				Factory setting restored! Sent GET BDARD STATUS command!			
PORT:	9	10	11	12	13	14	15	16				Sent Factory setting! Factory setting restored!			
Show Down	5		C	C	0	C	0	C							
Auto	0	0	6	C	5	C.	i i i	č.							
Force	C1	0	C	C	C	C.	C	0							
AC Disconnect	-	-	-	-1	F	-	-	-	6.4						
DC Disconnect	Г	F	٢	Г	F	E.	F	F	me						
PORT:	17	18	19	20	21	22	23	24							
Show Down	0	0	0	C	C		č	č							
Auto	C	6	C.	c	C	č	i i i								
Force	C	C	C	C	0	C	C	C							
AC Disconnect	-	F	F	F	F	F	1	-	Cat						
DC Disconnect	-	F	1	P	F	F	F	-	244	Set Enable Fa	sclory				

Board Status

Click "Config", and select "GetBoardStatus", or click "Board STATUS" icon, the screen will show current status of each port.

LAN MAIN												
e GUI Config	Stat	tasDisp	Test									
Station S. Setu T Fact GetE	p ory loants	latu:		3			1	5	6			
1.1.3891	1.15	397	MINM	NMNM	1			T.H.Mrell	1.1.3	1-2 12345672	<u> </u>	Module 24 Port -
TCP/IP Status F	Port St.	atus B	oard Sta	stus								Status:
PORT:	1	2	3	4	5	6	7	8		PoE Boar	d Status	Set configuration donell Send BDARD SETTING command Set configuration donell
Shut Down Auto	0.00	000	000	000	0.00	0.00	000	0.00				Send B0ARD SETTING command! Sent GET B0ARD STATUS command! Read configuration parameter done!! File opened! File opened!
AC Disconnect DC Disconnect		-	-	F F	Ē	E F	-	F	Set			Disconnect all server Connect all server Sent GET BOARD STATUS command! Read configuration parameter done!!
PORT:	9	10	11	12	13	14	15	16				Disconnect all server Connect all server Can't open Lan: 4
Shut Down Auto Force	0.00		000	000	0.0.0	000	000	000				Can't open Larc 8 Sent GET BDARD STATUS command! Read configuration parameter done! Sent GET BDARD STATUS command! Read configuration parameter done!
AC Disconnect DC Disconnect	F	E L	F ,	F	Ē	F L	r r	Г Г	Set			Sent Factory setting! Factory setting restored! Sent GET BOARD STATUS command! Read configuration parameter donie!
PORT:	17	18	19	20	21	22	23	24				File opened! Send BDARD SETTING command
Shut Down Auto Force				000	000	000	000	000				Set configuration done!! Send BDARD SETTING command! Set configuration done!! Send BDARD SETTING command! Set configuration done!!
AC Disconnect DC Disconnect	-	-	F	Г Г	F	F F	F	Г	Set	Set Enable	Factory	Read configuration parameter donel

Port Status

In the "Module" window, select the suitable port that you require, then, click "StatusDisp", and select "PortStatus", or click the "PORT STATUS" icon, the screen will show current status of each port and current power supply status of each module.

If all power modules are working normally, the "Sys. Power" will show a green light, if any module has failed, the light will turn to red.



GUI Version

Click "StatusDisp", and select "GUI Version", the screen will show the version of the EMS utility



GUI Disconnect

Click the "GUI", and select "Disconnect All", or click the "GUI disconnect" icon to disconnect the communication between GUI and PSE.

LAN MAIN GUI Cond St. Connect Discourse 11.38-1	fig DotmDin All CTAU	3 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	414 TEST	1	n 11	5 1372 11	7		Module 24 Port
TCP/IP Status PoE Op Module 1 48/ F	Port Status eration AN 3.3V	Board Status Status: Module 2 48V	9 @ FAN 3.3V	Module 3	FAN 3.3	sy	s. Power	•	Sent GET BDARD STATUS command! Sent GET BDARD STATUS command! Read configuration parameter done! Sent GET BDARD STATUS command! Read configuration parameter done! Sent GET BDARD STATUS command! Read configuration parameter done! Sent Factory setting! Factory setting restored! Sent Factory setting!
Class Detect Status	Port 1	Port 2	Port 3 Deknown Open Circuit	Pot 4	Port 5	Pot 6	Pot 7	Port 8	Factory setting restored! Sent GET BDARD STATUS command! Sent Factory setting! Factory setting restored! Sent GET BDARD STATUS command! Read configuration parameter done! Sent GET BDARD STATUS command! Read configuration parameter done!
Class Detect Status	Port 9 Disknown Open Circuit	Port 10	Pot 11	Port 12	Port 13	Port 14	Port 15 Class 0 Detect Good	Port 16	Sent GET BOARD STATUS command! Read configuration parameter done! Send GET PORT STATUS command!
Class Detect Status	Port 17	Port 18	Port 19	Post 20	Port 21	Port 22	Port 23	Port 24	

File Open and Save

You may click "File" and select "Open", or click the "Open file" icon, to open the previous setting file. Click "Save", or "Save file" icon, to save the current setting.



5. Technical Specification

PARAMETER	TP-MS308	TP-MS316	TP-MS324						
Data Ports	8	16	24						
PoE Ports	8	16	24						
Pass through Data Rates		10/100/1000Mbps							
Console Port	1× RJ45 co	onsole interface for m	anagement						
	Per port DC	48V@350mA 16.8	V(Maximum)						
	Pair4/5(+),Pair7/8(-)								
	AC Disconnect								
Disconnection	(AC Disconnect and DC Disconnect display the detect								
	scheme being used and are for information only)								
Power consumption	13/\\/	268\//	403W						
(maximum)	10400	20077							
AC Input	100~240VAC,50/60Hz								
DC Input	DC -48V(-42V~-57V)								
	Operating Temperature: 0°C~65°C								
Environment	Storage Temperature: -20°C~80°C								
	Humidity: 10%~95%RH (non condense)								
Dimensions	430mm(L) x 290m	m(W) x 44mm(H), 19	" Rack-Mount / 1U						
Weight	3.2kg	3.9kg	4.6kg						

System Diagram



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