

Overview

P2000M Series are Managed PoE switches support both 10/100M ports and 10/100/1000M ports;

All of the copper ports of the P2000M series provide PoE Power Injector function,complying with IEEE 802.3af compliant powered devices with maximum up to 30 watts of power per port. The Switches also come with 2 SFP slots expanding your network flexibly. In addition, it provides high performance, enterprise-level QoS, advanced security strategies. With all these advanced features, the P2000M Series PoE Switch are ideal choice for small and medium business networking.

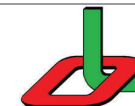
With TG-NET P2000M series PoE Switches, you are free to position equipments wherever they should be and power to the unit with the data over the Ethernet cable, not being limited by the power outlet. You can remotely reboot the device without having to climb up to or go to the device - just remove its Ethernet cable from the switch end as adopting PoE.

All ports TG-NET P2000M series PoE Switches are auto-sensing that make each port only provide power as detecting the presence of 802.3af /at PoE supported devices.





Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

www.telkolink.com

© 2009 telcolink Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000175 Rev. C



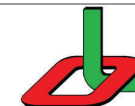
Hardware Features

	<p>P2018M-16POE-150W</p> <p>14*10/100M PoE ports; 2*10/100/1000M PoE ports; 2* Gigabit SFP ports; IEEE 802.3af/at-compliant; Total Power Consumption:150W.</p>		<p>P2018M-16POE-300W</p> <p>14*10/100M PoE ports; 2*10/100/1000M PoE ports; 2* Gigabit SFP ports; IEEE 802.3af/at-compliant; Total Power Consumption: 300W.</p>
	<p>P2026M-24POE-300W</p> <p>20*10/100M PoE ports; 4*10/100/1000M PoE ports; 2* Gigabit SFP ports; IEEE 802.3af/at-compliant; Total Power Consumption:300W.</p>		<p>P2026M-24POE-450W</p> <p>20*10/100M PoE ports; 4*10/100/1000M PoE ports; 2* Gigabit SFP ports; IEEE 802.3af/at-compliant; Total Power Consumption: 450W.</p>

Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

www.telkolink.com

© 2009 telcolink Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000175 Rev. C



- **P2018M-16POE-150W**: Max Output Power: 150W, supports at most 9* 802.3af-compliant powered devices(power/port: 15.4W) or 4*802.3at-compliant powered devices(power/port:30W);
- **P2018M-16POE-300W**: Max Output Power: 300W, supports at most 16* 802.3af-compliant powered devices(power/port: 15.4W) or 9*802.3at-compliant powered devices(power/port:30W);
- **P2026M-24POE-300W**: Max Output Power: 300W, supports at most 19* 802.3af-compliant powered devices(power/port: 15.4W) or 9*802.3at-compliant powered devices(power/port:30W);
- **P2026M-24POE-450W**: Max Output Power: 450W, supports at most 24* 802.3af-compliant powered devices(power/port: 15.4W) or 14*802.3at-compliant powered devices(power/port:30W);
- Compatible with both IEEE802.3at(30W) and IEEE802.3af(15.4W), can supply power to PDs under these two standards;
- Transmitting electronic power together with data through a single network cable, free of power lines;
- Automatically detect and supply power to IEEE802.3at and IEEE 802.3af compliant powered devices(PDs);
- Advanced SAFC function, only supply power to IEEE 802.3af/at compliant PDs, no worry about damaging other private standard PoE devices or devices without PoE function;
- Support port power supply prioritization, guarantee the continuous power supply of key nodes;
- Up to 100m network cable transmitting distance, support flexible network expansion without power line deployment concerns. Users can freely fix their wireless APs, IP cameras or other end devices on the wall or ceiling;
- Built-in PSE power supply module, plug-and play design, easy to install;
- High security performance defending against power surge;
- Support short-circuit protection function, the switch will automatically start short-circuit function and cut off the power supply when there is high-current or

Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

www.telkolink.com

© 2009 telcolink Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000175 Rev. C



other power failures, which can efficiently defend against device damage or network failures caused by line fault or wrong installation;

- Energy-saving green design, support auto-switch to standby mode and auto-detect cable length. It will stay in standby mode and save the power when the port is disconnected , or provide a lower transmission power when the network cable is less than 10m;
- Support simple WEB management, easy to configure the functions of switches.

Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

www.telkolink.com

© 2009 telcolink Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000175 Rev. C



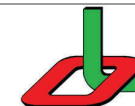
Product Specifications

Items	P2018M-16POE-150W	P2018M-16POE-300W	P2026M-24POE-300W	P2026M-24POE-450W
Fixed Ports	14*10/100M PoE ports;	14*10/100M PoE ports;	20*10/100M PoE ports;	20*10/100M PoE ports;
	2*10/100/1000M PoE ports;	2*10/100/1000M PoE ports;	4*10/100/1000M PoE ports;	4*10/100/1000M PoE ports;
	2 * Gigabit SFP ports	2 * Gigabit SFP ports	2 * Gigabit SFP ports	2 * Gigabit SFP ports
PoE standards	IEEE802.3af/at	IEEE802.3af/at	IEEE802.3af/at	IEEE802.3af/at
Max Output Power(single port)	30W	30W	30W	30W
Total Power Consumption	150W	300W	300W	450W
PoE Pin-out	1/2(+), 3/6(-); Customized 4/5(+),7/8(-)			
Switching Capacity	≥10.8Gbps		≥16Gbps	
Forwarding Mode	Full wire-speed storage and forwarding			
Forwarding Rate	10M: 14880pps/port			
	100M: 148809pps/port			
	1000M: 1488095pps/port			
Operation Temperature	-20~50°C			
Storage Temperature	-40~70°C			
Operation Humidity	10%~90%(non-condensing)			
Storage Humidity	5%~95%(non-condensing)			
Dimensions	440 (L)×285(W)44.5(H)mm			
Input Power Supply	AC: 90-264V~ 50-60Hz/150W	AC: 90-264V ~ 50-60Hz/300W	AC: 90-264V ~ 50-60Hz/300W	AC: 90-264V ~ 50-60Hz/450W
Weight	<8Kg		<10Kg	
LED Indicator	Power, Link/Act, PoE Status			
Energy Saving	Comply with “EEE” Energy Efficient Ethernet			

Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

www.telkolink.com

© 2009 telcolink Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000175 Rev. C



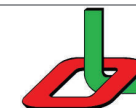
Service Characteristics

Item	P2018M-16POE-150W	P2018M-16POE-300W	P2026M-24POE-300W	P2026M-24POE-450W
Standards and Protocols	IEEE 802.3af, Power Over Ethernet			
	IEEE 802.3at, Power Over Ethernet Plus			
	IEEE 802.3u, 100BASE-TX			
	IEEE 802.3ab, 1000 BASE-T			
	IEEE 802.3z, 1000 BASE-X			
	IEEE 802.3ad, Static or Dynamic Link Aggregation			
	IEEE 802.3x, Full-Duplex Flow Control			
	IEEE 802.3az, EEE(Energy Efficient Ethernet)			
	IEEE 802.1q, VLAN			
	IEEE 802.1p, QoS/CoS			
	IEEE 802.1d, STP(Spanning Tree Protocol)			
	IEEE 802.1w, Rapid Spanning Tree Protocol			
MAC Address Table	Up to 16K MAC addresses			
	Support auto-update, two-way learning			
VLAN	Support up to 4096 VLANs			
	Port-based VLANs			
	VLANs based on IEEE 802.1q			
Spanning Tree	Support Spanning Tree Protocol			
	Support Rapid Spanning Tree Protocol(RSTP)			
Link Aggregation	Support 8 aggregation groups, and a maximum of 4 ports in each aggregation group			
Ring Protection	Support Ring Protection, provide real-time detecting, quick alarm, precise localization, smart blocking and auto-recovery			
Port Isolation	Isolation between downlink ports without influence the communication between downlink and uplink ports			
Port Flow Control	Back-pressure traffic control under Half-Duplex mode			

Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

www.telkolink.com

© 2009 telcolink Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000175 Rev. C

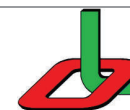


	IEEE 802.3x traffic control under Full-Duplex mode
Port Rate Restriction	Port-based ingress or egress rate limiting
Jumbo Frame	Maximum supports 9216Byte
Storm Suppression	Support the suppression of broadcast storm based on forwarding rate
Security	Port-base MAC address binding
	Security restriction on port-based MAC address quantity
QOS	SP (Strict Priority)
	WFQ (Weighted Fair Queuing)
	WRR (Weighted Round Robin)
	802.1p(Port Queuing Priority)
	Differentiated Service Code Point(DSCP Priority)
PoE ouput priority Management	Supported
Physic Medium	10/100Base-TX: UTP category 3/4/5 cables(Maximum 100m)
	1000Base-T: UTP Category 5 cable(Maximum 100m)
	1000Base-SX: fiber with 850nm wavelength, supports a max transmission distance of 550m
	1000Base-LX: fiber with 1310nm / 1550nm wavelength, supports a max transmission distance of 80km
Network Cable Deployment	Support Auto-MDIX function, automatically identify straight forward cable and cross-over cable
Negotiation Pattern	Support port auto-negotiation function(automatically negotiate transmission rate and Duplex modes)
PHY Detection	Detect the connectivity of network cables
Maintenance	Uploading or downloading of the configuration data
	Uploading of upgrade patch
	Support system logs
	WEB-based reset to factory defaults
Management	Support WEB-based management

Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/Istanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

www.telkolink.com

© 2009 telcolink Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000175 Rev. C



Ordering Information

Model Number	Detailed information
P2018M-16POE-150W	14*10/100M PoE ports+2*10/100/1000M PoE ports+2* Gigabit SFP ports;IEEE 802.3af/at-complaint;Total power consumption: 150W
P2018M-16POE-300W	14*10/100M PoE ports+2*10/100/1000M PoE ports+2* Gigabit SFP ports;IEEE 802.3af/at-complaint;Total power consumption: 300W;
P2026M-24POE-300W	20*10/100M PoE ports+4*10/100/1000M PoE ports+2* Gigabit SFP ports;IEEE 802.3af/at-complaint;Total power consumption: 300W;
P2026M-24POE-450W	20*10/100M PoE ports+4*10/100/1000M PoE ports+2* Gigabit SFP ports;IEEE 802.3af/at-complaint;Total power consumption: 450W;

Address : Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telkolink.com

www.telkolink.com

© 2009 telcolink Inc. All rights reserved. Information in this document is subject to change without notice. All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners. 617-000175 Rev. C

Quality Link Connections

