www.ipc2u.de   www.ipc2u.com   Date. 03/2016 Rev.01

GSW-3216MP

16 Ports 10/100/1000Base-TX + 2 Ports GbE SFP Slot Managed PoE Switch

The GSW-3216MP is a cost-effect high performance Gigabit L2 PoE switch-16x 10/100/1000Mbps TX ports and 2x SFP ports are supported. This switch supports remote management by SNMP, Http and Telnet interfaces, and local management by console interface. Console interface is supported for some basic settings. The GSW-3216MP supports lots of L2 switch functions, e.g. 802.1Q VLAN, 802.1x Port Security, Rate Control, Port Configuration, Port Mirroring, Port Statistics, QoS functions, ...etc. Auto-MDIX function is supported for every TX port of the switch for easy cable connection. The GSW-3216MP is compliant with IEEE802.3af and the pre-standard of 802.3at. The 16x 10/100/1000Mbps TX ports are selectable to provide up to 15.4 or 30 watts power to connect PoE supported devices.

Features

- 16x RJ45 ports, with 10/100/1000Mbps
- 2x Dual Speed SFP sockets, Port17 and Port18
- Port 1 ~ Port 16 support PSE function
- IPv6 management
- 8 priority queues are supported on each port for QoS application
- Private VLAN, 802.1Q VLAN, Voice VLAN and Q-in-Q(double tagging) function
- Protected port and LoopBack Detection function
- IEEE 802.1x security function, and VLAN assignment, Guest VLAN functions
- Static Mac address access limit and Dynamic Mac address number on port
- IEEE802.1d & 802.1w & 802.1s

- IP Multicast with IGMP snooping / query / fast leave / filtering / group limited /MVR
- DHCP Client / DHCP Option 82 Relay / DHCP Snooping function
- ACL function for L2 ~ L4 packet control
- Ingress/Egress rate control on port
- Broadcast/Multicast/Unicast storm control
- ARP inspection / IP source guard
- RMON 1,2,3,9
- SFP Transceiver DDMI function / Dual Speed SFP Ports(100/1000Mbps)
- Remote port configuration setting and statistics monitoring
- Text configuration download and upload
- IEEE 802.3az power management

Specifications

System

10/100/1000 BASE-T	16
100/1G SFP Slot	2 (Port 17, Port 18)
CPU	416MHz MIPS 24KEc CPU as the main processor which integrated on switch controller
Memory	Flash : SPI 16MB / RAM:DDRII 128MB
Packet buffer	4M bits
MAC Table size	8K
Switching capability	14880pps at 10Mbps, 148810pps at 100Mbps, 1488095pps at 1Gbps with 64 bytes packets
Switch capacity	36Gbps
Forwarding Rate	26.7Mpps
PoE Standard	IEEE802.3af & IEEE802.3at
PoE Ports	16 Ports(Port 1 ~ Port 16) Per Port 56V DC, 350mA . Max. 15.4Watts Per Port 56V DC, 600mA . Max. 30Watts
PoE Power Budget	150Watts
Power PIN Assignment	1/2(-), 3/6(+)
Console port	D-Sub 9
19" Rack-Mount	Yes, with kits
SFP DDMI	Yes
Dimension	330mm x 204mm x 44mm
Environmental Temperature	Operating: 0 ~ 50℃ / Storage: -25 ~ 70℃
Humidity	10% ~ 90% (non-condensing)
LED Display	Per Port : Link/Act , PoE Act Per Device : Power, System
Power Input	AC Power input (100V~240V)

Software

Port Control	Port speed, duplex mode, and flow control Port Auto MDI/MDI-X Port frame size (jumbo frames), Maximum ingress frame size (10056 bytes) Port state (administrative status) Port status (link monitoring) Port statistics (MIB counters)
L2 Switching	Auto MAC address learning/aging and MAC addresses (static) DHCP snooping ARP inspection Port Mirroring Flow mirroring
L3 Switching	DHCP option 82 relay IPv4 Unicast: Static routing
VLANs	IEEE 802.1Q static VLAN(4096 entries Max.), Voice VLAN, Port isolation, Private VLAN Static, MAC based VLAN, Protocol based VLAN, IP subnet based VLAN
Spanning Tree	IEEE 802.1s MSTP(Multiple spanning tree) IEEE 802.1w RSTP(Rapid spanning tree) IEEE 802.1D STP(Spanning tree) BPDU Guard & Restricted Role
Link Aggregation	Static and LACP
IP Multicast	IGMP v2 and v3 snooping MLD v1 snooping IGMP filtering profile IPMC throttling, filtering, leave proxy MVR and MVR profile

QoS	Traffic Classes (8 active priorities)
	Port Default Priority, User Priority,
	Input priority mapping
	QoS Control List (QCL Mode)
	Storm Control for UC, BC and Unknown
	Port policers
	Global/VCAP (ACL) policers
	Port egress shaper
	Queue egress shapers
	DiffServ (RFC2474) remarking
	Tag remarking
	Scheduler mode
Security	Port-Based 802.1X, Single 802.1X, Multiple 802.1X,
	MAC-Based Authentication
	VLAN Assignment , QoS Assignment, Guest VLAN
	RADIUS Accounting
	MAC Address Limit
	IP MAC binding, IP/MAC binding dynamic to static
	TACACS+
	Web & CLI Authentication
	Authorization (15 user levels)
	ACLs for filtering/policing/port copy
	IP source guard

Synchronization	NTPv4 Client
SFP DDMI	Yes
Management	DHCP Client,
	DNS client, proxy
	HTTP Server
	CLI - Console Port & Telnet
	Text Configuration download or upload
	Management access filtering
	HTTPS
	SSHv2
	IPv6 Management
	System Syslog
	Software Upload via web
	SNMP v1 / v2c / v3 Agent
	RMON (Group 1, 2, 3 & 9)
	RMON alarm and event(CLI,web)
	SNMP multiple trap destinations
	IEEE 802.1AB-2005 Link Layer Discovery LLDP
	Cisco Discovery filtering - CDP
	sFlow
	Daylight Saving

Application
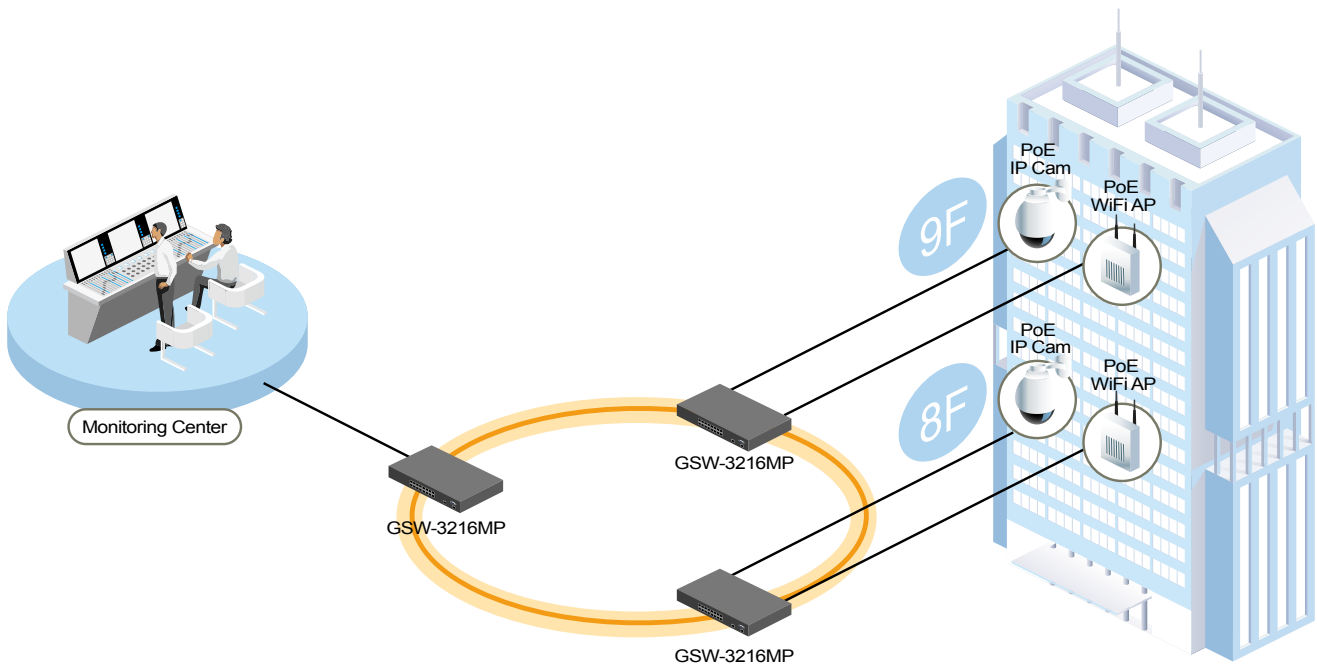
Ordering Information

Model Name	Description
GSW-3216MP	16 ports 10/100/1000Base-TX + 2 ports GbE SFP slot L2 Managed PoE Switch

www.ipc2u.de   www.ipc2u.com   Date. 03/2016 Rev.01