AW-GTS-287A

20xGE SFP + 4xCombo GE +
4x10G SFP+ L2 Plus Managed Switch

Managed L2 Plus Switch

VIVOTEK's AW-GTS-287A L2 Plus Managed Switch is a next-generation Fiber Switch offering a full suite of L2 Plus features and additional 1G/10G SFP+ uplink connections. The AW-GTS-287A L2 Plus includes advanced L3 features such as Static Route that delivers a better cost-performance ratio and a lower total cost of ownership in both Enterprise networks and backbone via fiber or copper connections.

With high Gigabit port densities and Gigabit SFP, 1G/10G SFP+ support, the GTS-287A switch can act as either a departmental access layer or as an aggregation switch to form a multilevel network. Service providers can take advantage of the high SFP density to structure the aggregation of Fiber to the Building (FTTB) networks that can be extended to subscribers' sites.
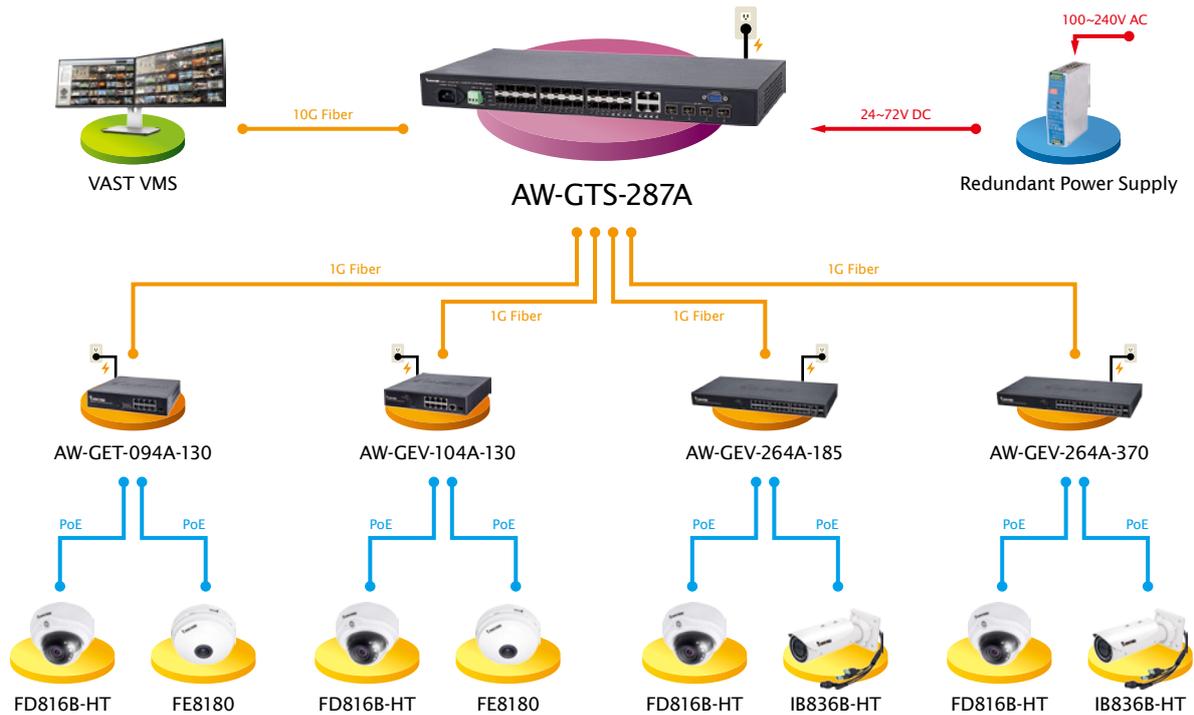
The AW-GTS-287A can be programmed for a number of advanced switch management functions, such as dynamic port link aggregation, Q-in-Q VLAN, Multiple Spanning Tree Protocol (MSTP), Layer 2/4 QoS, bandwidth control, IGMP/MLD snooping, GARP VLAN Registration Protocol (GVRP) and sFlow. Through link-aggregation of supporting ports, the AW-GTS-287A allows the operation of a high-speed trunk to combine with multiple ports. It enables a maximum of 14 trunk groups, with up to 16 ports in each group, and also supports connection fail-over.

The AW-GTS-287A is also specially equipped with one 100~240V AC power supply unit and one 24~72V DC power supply unit to provide enhanced reliability and enable scalable redundant power supply installation. The continuous power system is designed to fulfill the specific demands of high tech facilities requiring the highest power integrity and stability.

Features

- · 20xGE SFP + 4xCombo GE + 4x1G/10G SFP+ L2 Plus Managed Switch
- · L2 Plus Managed Switch Provides Easier Manageability, Robust Security and QoS
- · IPv4/IPv6 L3 Static Route and DHCP Server
- · AC/DC Dual Power Supply for Redundant Design
- · RS-232 Console, Telnet/Command Line Interface, SSH/SSL Secure Access, SNMP V1, V2c, V3, RMON, Web Browser, and TFTP Management

VAST VMS

10G Fiber

AW-GTS-287A

100~240V AC

24~72V DC

Redundant Power Supply

1G Fiber   1G Fiber   1G Fiber   1G Fiber

AW-GET-094A-130   AW-GEV-104A-130   AW-GEV-264A-185   AW-GEV-264A-370

PoE   PoE   PoE   PoE   PoE   PoE   PoE   PoE

FD816B-HT   FE8180   FD816B-HT   FE8180   FD816B-HT   IB836B-HT   FD816B-HT   IB836B-HT

Ordering Information

Model Name	Product Description
L2 Plus Switch	
AW-GTS-287A	L2 Plus Managed Switch 20xGE SFP + 4xCombo GE + 4x1G/10G SFP+
VivoCam PoE Switch	
AW-GEV-104A-130	VivoCam L2 Managed PoE Switch 8xGE PoE + 1xGE UTP + 1xGE SFP, 130W
AW-GEV-264A-185	VivoCam L2 Managed PoE Switch 24xGE PoE + 2xCombo GE, 185W
AW-GEV-264A-370	VivoCam L2 Managed PoE Switch 24xGE PoE + 2xCombo GE, 370W
Web Smart PoE Switch	
AW-GET-094A-130	Web Smart 8xGE PoE +1xGE SFP Switch, 130W
IP Surveillance Device	
Network Camera	All VIVOTEK Network Cameras
Video Server	All VIVOTEK Video Servers
NVR	All VIVOTEK NVRs
CMS	VAST

AW-GTS-287A Front View
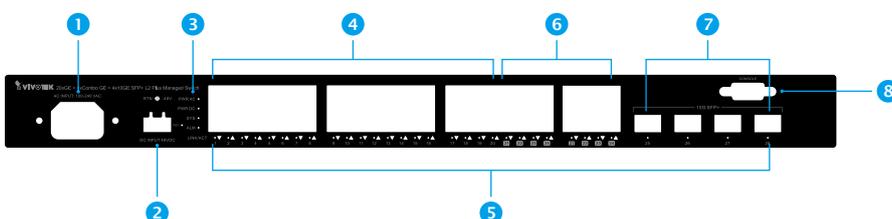
1. AC100 to 240V Power Input
2. DC Power Input
3. LED Indicators
4. Gigabit SFP Ports x20
5. LED Indicators
6. 100M/1G SFP Combo Ports x4
7. 1G/10G SFP+ Ports x4
8. Console Port

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Technical Specifications

Model	AW-GTS-287A
Product Description	20xGE SFP + 4xCombo GE + 4x10G SFP+ L2 Plus Managed Switch

Managed L2 Switch Functions

Port Configuration

100M/1G SFP Port	20
GE RJ45/SFP Combo Port	4
100M/1G/10GbE SFP+ Port	4
Total Ports	28
Console Port	RS232

HW Performance

Switching Bandwidth	128Gbps
MAC Address	32K
Jumbo Frames	10056 Bytes

L2 Switching

Spanning Tree	IEEE802.1D (STP)	V
	IEEE802.1w (RSTP)	V
	IEEE802.1s (MSTP)	V
VLAN	802.1Q Tag-base VLAN	4096 VLAN IDs
	Port-based VLAN	V
	Voice VLAN	V
	Private VLAN	V
	Guest VLAN	V
	Q-in-Q (Double Tag) VLAN	V
	802.1v Protocol VLAN	V
	MAC-based VLAN	V
	IP Subnet-based VLAN	V
Port Grouping	IEEE 802.3ad with LACP (Dynamic)	up to 16 ports in a group , max up to 14 groups
	Static Trunk	up to 8 ports in a group , max up to 14 groups
IGMP Snooping (v1/v2/v3)		V
MLD Snooping		V
GARP VLAN Registration Protocol (GVRP)		V
Loop Detection		V

L3 Features

IP Host Table	V
Static Route	V
Static ARP	V
DHCP Server	V

QoS Features

Hardware Queues		8
Class of Service	Port Based	V
	802.1p	V
	DSCP	V
	TCP/UDP (IPv4/IPv6)	V
Rate Limiting	Ingress	V
	Egress	V
Priority Queue Scheduling	WRR	V
	Strict Priority	V
IPv4 QoS (QCEs)		V
IPv6 QoS (QCEs)		V

Security

Port Security (MAC-based)		V
IEEE802.1x		V
ACLs	L2/L3/L4	V
	IPv6 Support	V
IP Source Guard (IP-MAC-Port Binding)		V
Storm Control		V
RADIUS / TACACS+ Authentication		V
Layer 3 Isolation (Allow/disallow routing between IP Subnets)		V
HTTPs and SSL (Secured Web)		V
SSH v1.5/v2.0 (Secured Telnet Session)		V
BPDU Guard		V
STP Root Guard		V
DHCP Snooping		V

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Technical Specifications

Model		AW-GTS-287A
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Management		
SNMP (v1, v2c, v3)		V
RMON (1,2,3 & 9 groups)		V
Software Upgrade		V
Configuration Export/Import		V
DHCP	Client	V
	Ready	V
	Option 66/67/82	V
Event/Error Log	Syslog	V
	SMTP (RFC821)	V
Management Access Filtering	SNMP	V
	Web	V
	Telnet	V
	SSH	V
Port Mirroring		V
LLDP (IEEE802.1AB)		V
LLDP-MED (IEEE802.1AB)		V
CDP Aware		V
sFlow		V
NTP/SNTP (RFC2030)		V
IPv6 Support		
Dual IPv6/IPv4 stack		V
IPv6 Web/SSL		V
IPv6 SNTP (Simple Network Time Protocol)		V
IPv6 Telnet Server/SSH		V
IPv6 Ping Trace Route		V
IPv6 TFTP		V
IPv6 RADIUS		V
IPv6 Syslog		V
IPv6 DNS Client		V
IPv6 Protocol-based VLANs		V
IPv6 SNMP		V
Environmental Specifications		
Operating Temperature		-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity		10 ~ 90% RH
Storage Temperature		-40°C ~ 85°C (-40°F ~ 185°F)
Storage Humidity		10 ~ 90% RH
Mechanical Specifications		
Dimensions		44 (H) x 442 (W) x 211 (D) mm
Weight		3.1 kg
Power Source		
AC/DC Dual input		100~240V AC / 24~72V DC
Power Consumption (Full load)		40W
Certifications		
Certifications		CE, FCC
Accessories		
Included Accessories		Power Cord, QIG, CD Manual, Rack Mount Kit, Console cable

Dimensions

442 mm   44 mm

211 mm