

AE8000 High Density P2P Headend Core Switches

Features

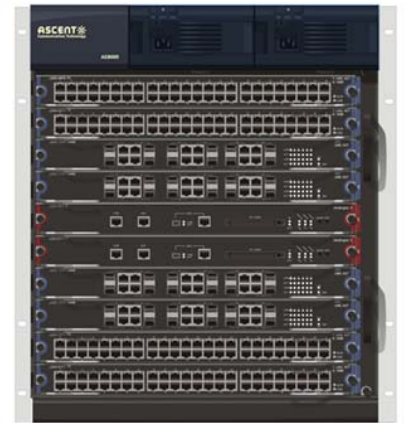
- Gigabit Ethernet P2P Headend
- High performance L2/L3/L4 switching with IPv6 supported
- High Density up to 336 ports at 1Gb/s
- Switching fabric with up to 2.6 Tb/s Backplane Capacity
- Up to 4 x 10 Gbps uplinks with link aggregation
- Congestion-Free switching for all ports
- High-level security supporting extended ACL, DAP, RADIUS, and Intelligent ARP
- Supports Active Ethernet technology with FE and GE subscriber lines
- Strict QoS with 802.1p, Diffserv, and L2-L4 flow classification
- IPTV and Video Overlay Supported
- Wire-speed switching and aggregation with up to 384 Gbps capacity
- Dual hot-swappable redundant controller cards
- Dual hot-swappable power supplies for redundancy
- Shelf management for monitoring and control via network. Both CLI and SNMP access
- Advanced routing and switching features
- RADIUS-based broadband management and customer SLA control
- Low Power consumption to save maintenance and services cost

Specifications

	AE8006	AE8009	AE8012
Available Slots	3	6	10
Service Line Cards	2	4	8
Backplane Bandwidth	768Gbps	1.5Tbps	2.6Tbps
Exchange Capacity	384G	768G	1.5T
Packet's Forwarding Rate	143Mpps	286Mpps	572Mpps
Maximum # of 10G ports	8	16	32
Maximum # of 1G ports	96	192	384
Maximum # of 100M ports	96	192	384
Physical Size (WxDxH)	482x548x266mm	482x548x399mm	482x548x533mm
Power Consumption	600W	600W	1000W

Service Line Cards (w/o SFP or XFP)

	FE Ports	GE Ports	Combo (SFP&TX)
AE80-24FE-SFP-2GE	24 FE SFP	-	2 GE Combo
AE80-24GE-SFP	-	20 GE SFP	4 GE Combo
AE80-24GE-TX	-	20 GE TX	4 GE Combo
AE80-48FE-TX	48 FE TX	-	-
AE80-48GE-TX	-	48 GE TX	-
AE80-48GE-SFP-MPLS	-	48 GE SFP	-
AE80-1TE-XFP	-	1 10GE XFP	-
AE80-2TE-XFP	-	2 10GE XFP	-
AE80-4TE-XFP	-	4 10GE XFP	-
AE80-SC-096	AE8000 Switching Control Unit - for AE8003/AE8006, 96G		
AE80-SC-192	AE8000 Switching Control Unit - 192G		
AE80-SC-384	AE8000 Switching Control Unit - 384G		



AS3000 1RU P2P Headend Aggregation Switches

Features

- Gigabit Ethernet P2P Headend
- High performance L2/L3 switching with IPv6 supported
- switching fabric Supporting Up to 280 Gbps Passive backplane Capacity
- Up to 4 x 10 Gbps uplinks with SFP+ ports with link aggregation
- High density Gigabit Active Ethernet FTTH platform supports up to 48 subscribers per 1RU chassis
- High-level security supporting extended ACL, DAP, RADIUS, and Intelligent ARP defence
- Supports Active Ethernet technology with FE and GE subscriber lines
- IPTV and Video Overlay Supported
- Strict QoS with 802.1p, Diffserv, and L2-L3 flow classification
- Wire-speed filtering and forwarding with up to 130 Mbps capacity
- Shelf management for monitoring and control via network. Both CLI and SNMP access
- Advanced routing and switching features
- RADIUS-based broadband management and customer SLA control
- Low Power consumption to save maintenance and services cost
- RPS Redundant Power Interface



AS3400 1G/10G Switches Specifications

	AS3448S
10G bps ports	4 SFP+
1G bps ports	48 SFP
Combo 1G TX & SFP ports	4
Backplane bandwidth, bps	280G
L3 Forwarding Rate, pps	131.1M
Physical Size (WxDxH)	442.5x375x44 mm
Power Consumption	100W



AS3300 1G Switches Specifications

	AS3348S
1GE bps ports	44 SFP
Combo 1G TX & SFP ports	4
Backplane bandwidth, bps	192G
L3 Forwarding Rate, pps	77M
Physical Size (WxDxH)	442.5x375x44 mm
Power Consumption	80W



AS2300 10/100M Switches Specifications

	AS2324S
Combo 1G TX/SFP ports	4
10/100M bps ports	20 SFP
Backplane bandwidth, bps	64G
L3 Forwarding Rate, pps	9.6M
Physical Size (WxDxH)	442.5x315x44 mm
Power Consumption	80W



AE200 Series P2P CPE Wireless Gateway

Features

- P2P Residential/Business Gateway
- Supports NAT/Bridge Hybrid Mode
- CATV RF Receiver
- 2 POTs VOIP, 4 or 8 Data Ports
- IEEE 802.11b/g/n
- Flexible Auto Provision Schemes
- Built-in Fiber Management Tray
- Web Interface and SNMP Management

Specifications

Fast Ethernet Ports	4 or 8 x 10/100 Mbps on RJ45
VOIP Ports	VoIP FXS RJ-11 x 2
CATV RF Port	Coaxial F Connector
WIFI	IEEE 802.11b/g or b/g/n WiFi
Data TX Wavelength	1261 ~ 1360 nm, typically 1310 nm
Data RX Wavelength	1480 ~ 1500 nm, typically 1490 nm
CATV RX Wavelength	1200~1620 nm
CATV Optical Input	-8dBm ~ -2dBm @ 1550nm (typical -5dBm)
CATV RF output	>84 dBuV @ -5dBm
CNR	48dB @ -4dBm
CSO / CTB	-65dBc / -67dBc
Data Line Speed Uplink	100 Mbps net payload or 1000Mbps net payload
Forward/Filter Rate	10M: 14,880/14,880pps; 100M: 148,800/148,800pps
Typical Link Range	1 km to 20 km
H/W MAC Address Table	2K
VLAN Group and ID	16 and 4K
Priority Queues	4
Optical Connector	SC/APC (SF w CATV), SC/PC (SF w/o CATV)
Power Supply	100 to 240 VAC or 12V/1.5A DC
Operating Temp, °C	0 to 50
Power Consumption W	7.5 (from wall)
Dimensions (W x D x H)	210 x 153 x 75 mm (8.3 x 6 x 3 in)
Weight, kg	1.6 kg (shipping)

Model	WAN	WDM	LAN	WLAN	POTS	CATV
AE204-FE-00-0-S-2	FE	Y	4FE	N/A	0	N/A
AE224-FE-00-0-S-2	FE	Y	4FE	N/A	2	N/A
AE204-FE-TV-0-D-3	FE	N	4FE	N/A	0	Y
AE204-FE-TV-0-S-1	FE	Y	4FE	N/A	0	Y
AE224-FE-TV-0-D-3	FE	N	4FE	N/A	2	Y
AE224-FE-TV-0-S-1	FE	Y	4FE	N/A	2	Y
AE224-FE-TV-G-D-3	FE	N	4FE	B/G	2	Y
AE224-FE-TV-G-S-1	FE	Y	4FE	B/G	2	Y
AE204-GE-00-0-S-2	GE	Y	4GE	N/A	0	N/A
AE224-GE-00-0-S-2	GE	Y	4GE	N/A	2	N/A
AE204-GE-TV-0-D-3	GE	N	4GE	N/A	0	Y
AE204-GE-TV-0-S-1	GE	Y	4GE	N/A	0	Y
AE224-GE-TV-N-S-1	GE	Y	4GE	B/G/N	2	Y

