

## AP9000 EPON OLT Headend Platform

### Features

- Carrier Class Modular EPON Headend
- High performance L2/L3/L4 switching with IPv6 supported
- High Density up to 3584 ONUs (1:64)
- 16 Slots total with 12 OLT modules
- Switching fabric with up to 352 Gb/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
- Strict QoS with 802.1p, Diffserv, and L2-L4 flow classification
- IPTV and Video Overlay Supported
- Symmetric 1.25Gbps up and downlink
- 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

	AP9006	AP9009
Total slot quantity	10	16
PON OLT (1G) slot quantity	6	12
Enhanced (1G or 10G) slot quantity	2	2
Console panel quantity	2	2
Backplane bandwidth	256Gbps	352Gbps
Maximum # of 10G ports	4	4
Maximum # of 1G ports	32	56
Maximum # of PON ports	32	56
Max Power consumption	300W	300W



### Service Line Cards ( w/o SFP or XFP )

AP90-PWR-AC-300	AP9000 OLT AC power supply 100 -240V
AP90-PWR-DC-300	AP9000 OLT DC power supply -48V
AP90-SC-06	AP9000 Switching Control Unit - for AP9006
AP90-SC-09	AP9000 Switching Control Unit - for AP9009
AP90-PON-4GE-S	AP9000 4-port OLT EPON interface Module, SFP interface
AP90-PON-4GE-SE	AP9000 4-port gigabit uplink board (4 SFP + 4 TX )
AP90-1TE-XFP	AP9000 1-port 10G uplink board, XFP interface
AP90-2TE-XFP	AP9000 2-port 10G uplink board, XFP interface
SFP-PG-SP-4931	SFP Plug-in, GEPON OLT 1.25Gbps, 1:32 distance 20Km, 1:64 distance 10Km, SC, TX1490nm,RX1310nm



\*1RU GEAPON OLT Available upon request

## AP100 Series GEPON ONU P2MP Wireless Gateway

### Features

- P2MP Residential/Business Gateway
- IEEE802.3ah compliant PON
- Strict SLA for tiered services
- CATV RF Receiver with AGC
- 2 POTs VOIP, 4 Data Ports
- IEEE 802.11b/g/n
- Enhanced security with 128-bit AES
- Easy home installation
- Web Interface and SNMP Management



### Specifications

Fast Ethernet Ports	4 x 10/100 Mbps on RJ45
VOIP Ports	VoIP FXS RJ-11 x 2 (SIP V2)
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	>80 dBuV
CNR	46dB @-4dBm
CSO / CTB	-58dBc / -58dBc
Data Line Speed Uplink	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	<15 (from wall)
Dimensions (W x D x H)	160 x 115x 32mm
Weight, kg	0.6 kg (shipping)



Model	WAN	WDM	LAN	WLAN	POTS	CATV
AP104-FE-00-0-S-2	GE	Y	4FE	N/A	0	N/A
AP124-FE-00-0-S-2	GE	Y	4FE	N/A	2	N/A
AP104-FE-TV-0-S-1	GE	Y	4FE	N/A	0	Y
AP124-FE-TV-0-S-1	GE	Y	4FE	N/A	2	Y
AP124-FE-TV-G-S-1	GE	Y	4FE	B/G	2	Y

