Product Brief

ASEE-1401

Subscriber End Equipment (1GE)

Feature Summary

- ITU-T G.984 & IEEE 802.3ah Compliant
- Indoor wall or table mount
- One 10/100/1000Base-T Ethernet RJ-45 port
- Built-in L2 switch with dynamic bridging, (802.1q tagged, untagged, port based, 802.1ad double tagged)
- Built-in L2 switch with dynamic bridging, (802.1q tagged, untagged, port based, priority tagged, 802.1ad double tagged)
- ToS/DSCP to 802.1p (Tag Control Information bits) mapping
- Serial number and password based activation and authentication
- IGMPv2/v3 snooping, proxy
- Dual managed by OMCI

G/E PON Uplink interface

Standard	Fully IEEE 802.3ah & ITU-T G.984 compliant
Line rate	Downstream: 1Gbps; Upstream: 1Gbps
Connector	SC/APC, single-mode-fiber
Wavelength	Transmit: 1310nm; Receive: 1490nm
Tx Output pwr	+0.5 to +5.0 dBm launch power
Rx Sensitivity	-27dBm
Rx Overload	-8 dBm
Activation	Activation with automatic discovered MAC and LOID

Ethernet interface

Type	1x 10/100/1000 Base-T interface
Connector	RJ-45 connectors
Link	auto-negotiation and MDI/MDIX auto-sensing

Power

AC Adapter	Input: 100-240VAC, 50/60Hz Output: 12VDC,0.5A
DC Connector	2-pin Barrel Connector
Control	Power ON/OFF pushbutton
Power	less than 7W, Dying Gasp support

Physical

Temperature	0°C to 50 °C
Humidity (RH)	5 %to 95% relative humidity
Mounting	Table or wall mounting
LED Indicators	Power, PON ,LoS, LAN
Dimension	80mm(W)x 75mm(D) x25mm(H)

Applications

The ASEE-1401 is a compact G/EPON Subscriber end equipment designed and optimized to provide super-fast data connection. The ASEE-1401 has one 10/100/1000 Base-T port that can be used to provide high speed data services. The ASEE-1401 supports a wire speed data interface that supports advanced L2 and VLAN features for providing rate and priority controlled high speed internet access. To enable VoIP access, ASEE-1401 supports interfacing external IAD box or home router with voice capability through the Ethernet interface. ASEE-1401 supports IPTV delivered in the form of data multicast or unicast.

High Bandwidth EPON

The ASEE-1401 is IEEE 802.3ah & ITU-T G.984 compliant with a 1Gbps upstream and 1Gbps downstream, Class B+ G/EPON system.

Ethernet Quality of Service

The ASEE-1401 has extensive Ethernet QoS features, including MAC flow control, Priority to Queue mapping, Traffic can be controlled in the upstream as well as downstream.

Small form-factor

A space conscious package for simplified wall or table mounting.

Flexible Management

The ASEE-1401 is managed from Alphion OLT Series. The AOLT in turn is managed with either Alphion Element Management System (AEMS) that provides configuration, profile based provisioning, event and fault management and performance monitoring for the ASEE or though SNMP MIBS.

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