AT-9806H (IPDSLAM Expandable Up to 96 Port, AC+DC Port

In "Replacement of Copper Cables by Optical Fibers" projects' construction We can provide comprehensive
solutions for carriers, including high speed experience,
triple-play services as well as traditional network migration.
Via AT-9806H, traditional services which have been
borne by copper cables, such as ISDN, DDN and CES
services, can migrate to PON network smoothly. This solution provides an integrated scheme for carriers in network transformation and convergence.
AT-9806His designed as an all-service access platform
which works not only as a traditional mini DSLAM but also
works for FTTB, FTTC/FTTCab solution, and provides
multiple networking formats such as xPON or GE uplink and
VDSL2/ADSL2+/FE and POTS downlink. It is widely used in
multi-service bearing networks by domestic and international top-end carriers due to its carrier-class operation and management multicast system and powerful
QoS properties

AT-9806HFeatures:
Unified platform for ADSL2+/VDSL2/SHDSL/POTS/FE/GE/ISDN
2U frame with 6 slots, Small size and compact design

Abundant uplink interface:

EPON/10G EPON/GPON/GE/FE
Flexible network deployment: application in FTTx with PON, cascade, QinQ/VLAN stacking, ring, etc
Abundant service support capability: IPTV, VoIP, HSI, VPN, mobile backhaul, etc

Higher security assurance: port isolation, MAC/IP address binding, packet filtering, and broadcast packet suppression.

Comprehensive QoS mechanisms for voice, video and high speed Internet services.
Unique system architecture and good layout design enable system power consumption to decrease dramatically, single port and whole equipment by 20% than equipment of similar type.

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Technical Specification:

Interface Function
- 6 slots; 1 for control card, 1 for power supply card, 4 for service cards
- Uplink ports (line terminal):
- øEPON interface (SC/PC)
- øGPON interface (SC/PC)
- ø10G EPON interface (SC/PC)
- øFE or GE
- User network interface:
- øADSL2/2+ (capacity 24 Port each card)
- øVDSL2 (Capacity 32 Ports each Card)
- øSHDSL(Capacity 24 Port each card)
- øPOTS
- øFE/GE
- øE1/ISDN
- Common interfaces:
- Environment monitoring interface
- Management interface
- Maintenance serial interface

Transmission features
- ADSL2/2+:
- øUplink rate: up to 1Mbps, downlink rate: up to 26Mbps
- øThe maximum transmission distance: 6.5km
- VDSL2:
- øUplink rate: up to 100Mbps, downlink rate: up to 100Mbps
- øThe maximum transmission distance: 6.5km
- SHDSL:
- ø2-wires: symmetrical 200 Kbps~2312 Kbps
- ø4-wires: symmetrical 400 Kbps~4624 Kbps
- øThe maximum transmission distance: 6.5km
- EPON:
- øSymmetrical 1.25Gbps for uplink and downlink
- øThe maximum transmission distance: 20km
- øTransmission Wavelength: Transmitting: 1310 nm, Receiving: 1490 nm
- GPON:
- øUplink rate: 1.244Gbps, downlink rate: 2.488Gbps
- øThe maximum transmission distance: 20km

- Transmission Wavelength: Transmitting: 1310 nm, Receiving: 1490 nm
- 10G EPON:
- øUplink rate:1Gbps/10Gbps, downlink rate: 10Gbps
- øThe maximum transmission distance: 20km
- øTransmission Wavelength: Transmitting: 1310nm/1270nm, Receiving : 1577nm

Service Function
- Service: VoIP, Internet, IPTV
- SIP/H.248/MGCP
- Codec: G.711a/u, G.729a/b, G.723.1
- Auto registration at power-on
- 802.1q and 802.1p,802.1d
- MAC addresses
- STP, RSTP
- IGMP snooping/proxy and controllable multicast
- Support SP, WRR and SP+WRR
- Loop back test for user ports
- DBA and FEC
- Priority queues and scheduling
- VLAN Trunking and Stacking
- Automatic L2 learning and aging
- Support on-line version upgrade
- Support IGMP Snooping, IGMP V1/V2, multi-cast VLAN, CAC, CDR, and PRV
- Support up to 1k multi-cast channels and 4 MVLAN
- Support PPPoA transform to PPPoE
- Support T.30 VBD
- Support T.38
- Support VBD Modem

Security
- L2- L4 ACL
- IEEE 802.1x subscriber authentication
- IP and MAC source guard
- 16K mac Table
- Resistance against DOS attacks
- MAC/IP anti-spoofing (MAC binding, IP binding, DHCP snooping)
- Anti-flooding: broadcast packet suppression, IGMP packet suppression, DHCP packet suppression
- Port mirroring
- User port identification such as PPPOE+ and DHCP Option 82

O&M
- Operator security, Multi-privileged operator, SSH v1/v2, FTP/TFTP, ACL
- Management protocol and interface: CLI, Telnet ,SNMP V1/V2C/V3
- Remote firmware download and upgrade
- Environment monitoring, control and alarm

Environment
- Operating temperature: -10 ºC ~ +55 ºC
- Operating humidity: 5% ~ 95%, non condensing

Power Supply
- Working voltage: -48 V DC ($\pm$20%) or 110V/220V AC ($\pm$20%, 50Hz)

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