

MD30

24 ~ 120 Ports Modular Managed IP DSLAM with GbE Combo Uplink



The MD30 is a 3U 19" rack mountable ADSL2+ IP DSLAM with temperature hardening. The modular design allows hot swapping of major components such as uplink trunk card, 24-port tributary cards and cooling fan module. The system provides 24/48/72/96/120 ADSL2/2+ ports with built-in POTS splitters and is able to provide broadband data communication services and multimedia services on the same copper line. The unit is capable of delivering high speed data services, full-rate of ADSL2+ (up to 24mbps download) for 120 subscribers with 2 Gigabit uplinks. With advanced QoS features, the MD-30 is ideal for next generation broadband networks capable of delivering rich video content, DSL, POTS, and VoIP service over ADSL2+ link. The MD30 provides two uplink ports with both electrical and optical (SFP) Gigabit Ethernet (GbE) interfaces for cascading, ring architecture or 802.3ad link aggregation. The MD30 is suitable for small size applications or deployment in remote location such as business parks or street cabinets to extend the service reach distance from central office.

Features

- 3U 19(23)" 5-slot ADSL2/2+ chassis
- Modular design with hot swappable field replaceable units
- 1+1 Gigabit Ethernet trunk with combo SFP and RJ45
- Temperature monitor and system over temperature protection with trap alarm
- Backup firmware partition aids in upgrade failure recovery
- Configuration backup and restore via TFTP
- RS-232 serial CLI and separate LAN port for web based management
- NMS/EMS for Multiple nodes management based on SNMP (option)

Specifications

Network Interface	2x 10/100/1000Based-T or 2x SFP (IP) Subscriber Interface	Management	Multicasting support Port based and 802.1p/q Tag-based VLAN IGMP V1/V2 snooping and proxy SNMP V1/V2C
Line Interface : ADSL	24 ports per card Fast/Interleave latency modes for G.dmt Supports Interleave mode for G.Lite ADSL to ATM signal conversion Build-in POTS splitter circuit Power Consumption : 25 W(max)	System Configuration	Multiple session Telnet, Web based and SNMP Supports point to point VCC link Software remote upgrade
4-position DIP Switch	24 ports per card Signal modulation and demodulation G.SHDSL to ATM signal conversion Power Consumption : 21 W(max)	Alarm and Status Management	Automatic alarm/LED indication for alarm and system status Four housekeeping inputs and one alarm contact closure output Provides all system OAM&P functionalities, software remote updates.RS-232 local console interface for basic provisioning plus out-band Ethernet interface for Telnet or Web Indications GbE 1/2 link, RST, ACO, ALM, SYS, DSL Status 1 ~48
Indicator	LAN: Act/Link, 10/100Mbps, Half/Full duplex VDSL : CO/CPE, Idle/Trained/Link, Power	Power Input	Input : -48 V DC (-42 V to -56 V) Dual A+B -48 V DC power input terminal
Standard	ATM QoS (UBR, rt-VBR, nrt-VBR, CBR) PVC default priority and PVC-to VLAN mapping Traffic scheduling/shaping/policing Ethernet IEEE 802.1d Spanning Tree Protocol (STP) IEEE 802.3ad Link aggregation Password Security on console access	Power Consumption	130W
Management	OSI Layer 2 Functionality MAC filtering and count limit Access control list (ACL)	Dimensions	304 x 482 x 133 mm (D x W x H)
		Weight	4.5kg
		Temperature	-40 ~ 65°C (Operating), -40 ~ 70°C (Storage)
		Humidity	10 ~ 90% non-condensing
		Certification	CE, FCC, RoHS compliant, ITU-T, ETSI

Application



Ordering Information

Model Name	Type	Description
MD30-MA1A	Chassis	3U,19" 5 slot chassis with DC power, Cooling Fan
MD00-GE1A	Trunk Card	Giga Ethernet Uplink card with 2xGbe Combo
MD00-AL5A	Link Card	24-Port ADSL 2 Line card 600 ohm Splitter ANX-A

Chassis Type
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 Example: MD30 – MA1A
 Card Type
MD00 – □□□□
 Example: MD00 – GE1A

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.