NetComm NCT240
24 Port IP DSLAM

KEY FEATURES

⊙	High Performance
⊙	24 Port ADSL2+
⊙	Pizza Box Design with built-in POTS Splitter
⊙	Gigabit Ethernet and Optical Transport
⊙	Intelligent DSL internetworking and L2 switch feature
⊙	Comprehensive Management

The NetComm NCT240 IP DSLAM is a revolutionary product with the capacity to interface with evolving IP networks in cost effective manner.

The NCT240 is an advanced IP based DSLAM that can be used in any environment where Broadband Internet service and Video on Demand is required: Hotels, Motels, Multi-tenanted buildings, Nursing homes, Retirement villages, service apartments etc. It offers ADSL, ADSL2 and ADSL2+ interfaces and delivers advanced IP services that include QoS, multicast, subscriber management.

These service features, avoid bandwidth congestion and allow smooth, easy and efficient passage of video, voice and data packets across the networks. By using IP DSLAM solution, it overcomes the limitation of Ethernet cabling; eliminate the need for additional cabling for setting up a Data/Voice/Video network. To control guest access to broadband services from the front desk and to provide automated Internet billing for each individual room, hoteliers can install an Internet Access Controller, the IAC4500 that links to the property management system with NCT240 IP DSLAM.

The NCT240 comes in a very compact design with in-built POTS Splitter and can be used as a desktop unit or can be rack mounted.

TECHNICAL SPECIFICATIONS

HARDWARE SPECIFICATION

Dimensions
- (WxDxH) : 440 x 320 x 44.4 mm
- 19" wide rack mountable
- 1U height

Weight
- 5.2 Kg

LED
- System: Power, System, Major and Minor alarm.
- ADSL port: link
- Uplink Port: TX link and FX link.

Interfaces
- One RS232 Serial port Female for management
- One Male RJ21 for DSL port
- One Male RJ21 for POTS splitter port
- ACO/RST for alarm cut off and system reset
- Two RJ45 Gigabit Ethernet 1000 Base-TX and two SFP interface (w/o optical module) for uplink port

Power Requirement
- AC Input – 60Wt. (input 90~260 VAC (10%), 50~60Hz)

or
- DC Input – 60Wt. (input –36~-72 VDC)

ADSL Subscriber Interface
- 24 Ports

ADSL Standards Support
- ANSI T1.413
- ITU-T G.992.1, (G.dmt) Annex A
- ITU-T G.992.2, (G.lite) Annex A
- ITU-T G.992.3 (ADSL2) Annex A, AnnexL
- ITU-T G.992.5 (ADSL2+) Annex A, AnnexM

CO Operating Requirements
- Temperature: -10ºC ~ 60ºC.
- Humidity: 0~95% (non-condensing)

Compliance and Safety Certification
- CE
- FCC Part 15 Class A
- UL60950
- EN61000
- EN55022
- EN55024
- IEC61000
- AS/NZS 60950

SOFTWARE SPECIFICATION

L2/L3 Functionality
- Switch capability : IEEE802.3x flow control, IEEE802.1d bridging
- VLAN: IEEE802.1p/q VLAN, stacked VLAN, Port-based and Tag-based
- Multicasting: IGMP snooping, 250 groups, Dynamic & Static Configuration
- QoS: IEEE802.1p based COS, 4 priority output queue per port, RFC 2475 DiffServ/TOS
- DHCP: DHCP relay and relay agent option 82.
- Rate Limitation

Internetworking
- RFC2684 MPoA LLC/VCMUX
- VPN pass-through
- RFC2516 PPPoE packet forwarding

Alarm Status Surveillance
- Automatic alarm and status report
- LED indication for system status
- Loop back test
- Log event/alarm of system level
- Log event/alarm of GE and ADSL2+ interfaces

Performance Monitoring
- Line rate
- RFC 2662/RFC 3440 compliant ADSL line performance parameters gathering

Management
- CLI through console and Telnet/SSH
- SNMP V1/V2c, Support FCAPS management for EMS
- Web-based Management
- Syslog
- SNTP
- Remote software upgrade
- Remote file backup and restore

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