



## KEY FEATURES

- ⊙ High Performance
- ⊙ Pizza Box Design
- ⊙ Stackable
- ⊙ Gigabit Ethernet Transport
- ⊙ Comprehensive Management

The **NetComm NCT480 IP-DSLAM** is revolutionary product with the capability to interface with evolving IP networks in a cost effective manner.

The NCT480 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, serviced 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.

The NCT480 comes in a very compact designed with in-built splitters and can be used as a desktop unit or can be rack mounted (19 inch and 23 inch).

The NCT480 has 48 ADSL Subscriber ports and 2 optical Gigabit Ethernet.

### Network uplink interfaces.

Using any of the uplink types it is possible to stack the NCT480 units and aggregate multiple units over a common network connection. The feature rich design make NCT480 the most economical and suitable solution for next generation broadband access platforms.

## TECHNICAL SPECIFICATIONS

### HARDWARE SPECIFICATION

#### Dimensions

- 2" x 19" or 23" x 11" (H x W x D)

#### Weight

- With Splitter: 4 Kg

#### Console interface Management access

- RJ-45 to RS-232 Female DB-9 adaptor cable
- Gigabit Ethernet out-band management

#### Power requirements

- 85Walt; -36VDC ~ -60VDC; ~2 Amp.

#### Front Panel Interfaces

- 2 x RJ-45 Gigabit Ethernet interface (10/100/1000 Base-T)
- 2 x mini-GBIC Optical interface (Alternative)
- 1 x 10/100 Base-T Management Port
- 1 x RS-232 Console Port
- 1 x Alarm I/O socket
- 2 x Telco-50P Female connectors for POTS
- 2x Telco-50P Female connectors for Lines
- Dual DC power source terminal

#### ADSL Subscriber interface

- 48 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

#### ATM Protocol

- Ethernet over ATM (RFC 1483 bridge)
- IpoA (RFC 1483 route)
- PPPoA (RFC 2364)
- PPPoE (RFC 2516)

#### CO operating requirements

- Temperature:
  - 32° to 149°F (0° to 65°C) – Operating
  - 23° to 149°F (-5° to 65°C) – Short-term operating
  - 5° to 158°F (-15° to 70°C) – Storage
- Humidity:
  - 5 to 95% (non condensing)

#### Safety Certification

- CE
- FCC part 68
- FCC part 15
- IEC 60950
- EN60950
- AS/NZS 60950
- BS EN60950
- SS EN60950
- CAN/CSA C22.2 No.60950
- UL60950
- EN55022

### SOFTWARE SPECIFICATION

#### System Control

##### Alarm Status Surveillance

- Automatic alarm and status report
- LED indication for system status

##### Performance Monitoring

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

##### Configuration

- Support add, delete, query, and modify functions for configuration
- IGMP snooping setting
- VLAN setting
- STP/RSTP setting
- ADSL Subscriber line management per profile setting
- System firmware upgrade via web management or download through TFTP
- BOOTP/DHCP client

##### Security

- Support security and multiple level login

#### VLAN

- Support IEEE 802.1Q VLAN Tagging, Port-based VLAN, and GVRP
- Support 512 VLANs concurrently
- Support IEEE 802.1ad VLAN stacking and VLAN translation

#### Link Aggregation

- Support 802.3ad static and dynamic link aggregation

#### QoS

- Support IEEE 802.1p with 8-priority queues
- DiffServ support
- Pack classification basis on MAC/IP addresses and TCP/UDP port number

#### Multicast

- Support IGMP snooping on IGMPv1, IGMP v2 and IGMP v3 membership
- Up to 256 Multicast Groups and 256 copies for each Multicast Group
- Broadcast storm control

#### Bridging

- 4 K MAC addresses
- MAC, IP, TCP/UDP port addresses filtering

#### OAM and Access Control

- ADSL Subscriber MAC address number limiting
- DHCP Relay Agent with option 82

#### Network Management

- CLI through console and Telnet
- SNMP manageable by NMS (Planned)
- Web management
- Provide configuration, fault, performance, security management

### Your NetComm dealer: