

## MXUENT100A: Optical Service Unit

- Preserves the current cash flow from traditional services, such as voice
- Enables new revenue streams generated by high-bandwidth, value-added Ethernet & IP-based services
- Reduces capital expenditures, making the extension of the optical network to the customer's premises economically viable
- Simple to install, operate and manage
- Reduces operational costs by reducing site visits through full remote management
- Enables a rapid response to customers' bandwidth demands



### **Low-Cost, Ultra-Compact, Multi-Protocol, Network Termination Unit**

The MXUENT100™ is a low-cost, ultra-compact CLE/CPE access device via which Ethernet, IP and TDM circuits are combined in their native format over an optical trunk interface. Remote management capabilities, embedded in the ENT100, allow the carrier to fully monitor and control the network and services, right down to the customer's premises.

### **MXUENT100 Key Specifications**

- Ultra-small footprint
- Low power consumption
- Redefines access cost points
- Supports STM-1 or OC-3 optical trunks, with a range of up to 50 km
- 4 x E1/T1 (2 x framed), single 10/100BaseTX Ethernet tributary interfaces
- On-board Web server/browser-based configuration
- Remote testing and troubleshooting (internal traffic generator)
- Fully managed by the NativeView™ superior Network Management System - remote collection of performance and traffic statistics

## Trunk Interface

**Framing:** STM-1/OC-3c

**Connector:** SC

### Optical Parameters:

Fibre: Single Mode

Wavelength: 1310 nm

Max. Launch Power: 0 dBm

Typ. Sensitivity: -34 dBm

**Maximum Range:** 50 km

**Compliance:** G.957, G.958

## E1/T1 Line Interfaces

**Number of Interfaces:** 4

**Line Coding:** HDB3, B8Z3

### Framing:

4 x Unframed

2 x Framed as per G.704

**Output Impedance:** 120 &  
balanced (75 & unbalanced)

**Connector:** RJ45

**Jitter Performance:** G.823

### Compliance:

G.703, G.704, G.706

## Ethernet Interface

10/100BaseTX

Auto-Negotiation

**Transmission:** Half/Full duplex

**Connector:** RJ45

**Compliance:** IEEE 802.3,  
IEEE 802.1Q

## Indicators

**Unit Level:** 3 LEDs (OK, Critical, Minor)

**E1/T1 Interface:** 2 LEDs for each I/F  
(Major, Minor)

**Ethernet Port:** 2 LEDs (Link and Data)

**Trunk Interface:** 1 LED

## Timing Sources

**Line Timing:** From STM-1/OC-3c

**Operating Temp.:** 0°C-50°C

**Humidity:** 10%-90% non-condensed