



## KEY FEATURES

The most important characteristics of the 10/100 Ethernet Access Module are:

- > **Eight 10/100 auto-sensing Ethernet ports.** Each port can be configured independently, ensuring high data integrity in a shared environment.
- > **Hot swap.** In order to provide high availability the 10/100 Ethernet access module is hot-swappable for instant replacement.
- > **Guaranteed quality of service.** The 10/100 Ethernet Access Module meets the highest demands in the market, suitable for all types of real-time services such as video and voice.
- > **Ethernet Tunnelling Service.** ETS provides dedicated, easily configurable Ethernet tunnels.
- > **Extensive management.** Management is possible through SNMP, Web and CLI. Additionally the 10/100 Ethernet access module is prepared for management through Nimbra Vision™.
- > **Enhanced VLAN.** Channelled bandwidth increase the value of the IEEE 802.1Q VLAN standard.

## TECHNICAL SPECIFICATIONS:

### Services

Ethernet Tunnelling Service (ETS)

### Physical Interface

100BaseTX

Number of ports: 8  
Connector type: RJ-45  
Port speed: 10 or 100 Mbps full duplex auto sensing

Minimum cable range: 100 m with CAT-5 cabling

### Management

Managed as plug in unit for Nimbra One

### Environmental conditions

Temperature: Working temperature 0 to 40° C/32 to 104° F  
Storage temperature: -30 to 65° C/22 to 149° F  
Relative humidity: 10% to 90% non-condensing  
Standards: FCC part 15 Class A  
CE Mark (EN 300 386-2)  
Network Equipment Building Systems (NEBS) compliant, GR-63-Core, GR-1089-Core IEEE 802.3

### Power consumption

20 W

## NET INSIGHT – FOR SCALABLE MULTISERVICE NETWORK SOLUTIONS

In today's networking world, the bandwidth resources offered by optic fiber are rapidly increasing, making data processing the bottleneck of the new networks. In order to solve these problems, Net Insight develops simple and flexible solutions for fibre-optic networks. Using Net Insight solutions, operators can offer everything from advanced real-time services to studio-quality video, and Internet communication to traditional telephony and data. The services can be supplied across one and the same infrastructure simply and cost-effectively.

Net Insight's solutions are based on the DTM technology (Dynamic synchronous Transfer Mode), which has been developed to make efficient use of fiber optic capacity while keeping data processing to a minimum. The technology combines the

advantages of guaranteed throughput, channel isolation, and simple and deterministic quality of service found in SDH/SONET, with the flexibility found in packet-based networks such as ATM and Gigabit Ethernet. It also makes it possible to adapt and redistribute access to bandwidth resources as traffic patterns change.

Net Insight's solutions offer superb transport of real-time applications such as voice and streaming video over IP. From set-up to tear-down, a DTM channel provides guaranteed service with low jitter, predictable and low delay, and no congestion. In all, Net Insight helps simplifying both network design and management, while making new, high quality multimedia services possible.