



MOADM-20S

The **MOADM-20S** is a modular and cost-effective equipment designed to manage bandwidth and derive services from the optical core to access. The products are designed to support end-to-end provisioning and management of services across all segments of the optical network. It combines innovative optical networking software with the intelligence of **SONET/SDH** to deliver a flexible, cost-effective network solution.

MIC's MOADM-20S is **SDH** Multiplexing Equipment based on an **STM-1/STM-4** capable System that provides flexibility to the customers in terms of expansion to support additional client interfaces by adding new modules in the field. It is also a scalable system that enables the customer to start with an **STM-1** network and upgrade to **STM-4** as the traffic demand increases.

The **MOADM-20S** system provides full flexibility to the users to Drop/Insert several data types namely **E1/E3/E4/STM1e/STM1o/Ethernet**. **MOADM-20S** can be configured as Terminal Multiplexer (**TMUX**) or Add Drop Multiplexer (**ADM**) with mix-and-match tributary interfaces of **E1, E3, DS3** or **Ethernet** (10/100 Mbps). The product has built-in **non-blocking cross-connect** at **VC4, VC3** and **VC12** granularity for efficient traffic grooming. In view of the growing demand for packet services, **MOADM-20S** provides rate controlled 10/100 base-T/1000 Base T interfaces to carry inter-office traffic from corporate LANs, Campus Networks or Internet Service Providers.

Salient Features:

- Architecture is Modular, Scalable, Redundant in switching, control, timing & Power supply
- Front panel access for easy operation and maintenance.
- Supports Short-haul, Long-haul applications, Point-to-Point, Add-drop, RING and Mixed topologies
- Supports Multi Service Interfaces like E1/DS1, E3/DS3, E4, STM-1 (e/o) and Ethernet (10/100/G.bit)
- Rate adaptive Ethernet services for easy control of bandwidth with 2 Mbps granularity
- Cross-connect capability with granularity at VC -12, VC-3, or VC -4.
- Intelligent Cabinet control system, which monitors temperature, humidity, door open, etc.
- **SNMPv2** compliant **EMS** and **CNMS**
- Engineering Order wire interface (**Omni** Bus and Selective Calling).
- Support for **SSM** byte.

The content in this brochure is subject to change without any notice. The latest specifications & features for this product can be found at www.micelectronics.com

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