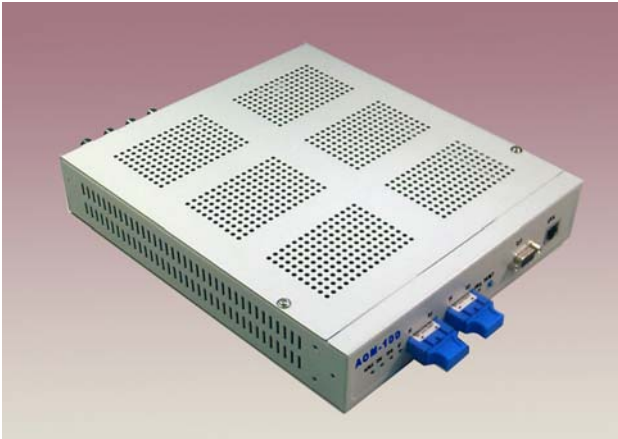


AOM - 100

Advance Optical Modem Series

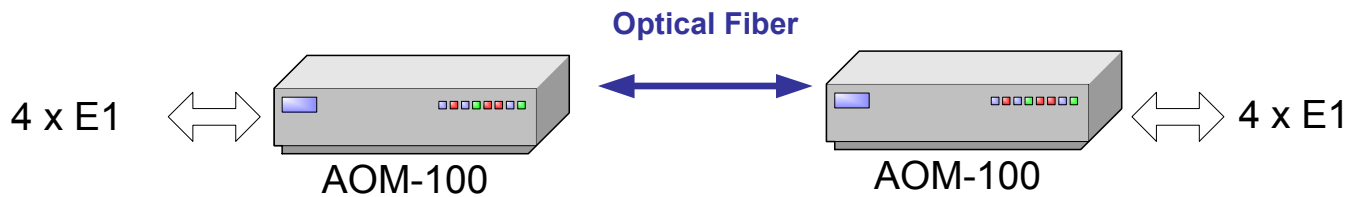
System Descriptions:



AOM-100 series products, E1 combination optical modem/multiplexer, are optical transmission equipments for up to 4 E1 signals transmitted through the fibre link. The E1 signals are transmitted over optical fibre for better quality and longer transmission distance. In addition, AOM-100 provides many value-added functions to meet customers' needs. Being flexible and economical, AOM-100 can be an efficient part of your optical transmission network for voice, data, and wireless applications.

AOM-100 can be centrally and remotely managed by one of two Network Management Systems: It provides alarm reporting, performance monitoring and reporting, service provisioning, and loop back testing. AOM-100 also utilizes dip switches and LED indications for field application.

System Function:



- ◆ point-to-point optical terminal multiplexer
- ◆ optical network application
- ◆ fibre link between switch and access network equipment
- ◆ 26 dB system gain
- ◆ stand alone or mount on rack
- ◆ BER < 1 x 10⁻¹¹
- ◆ E1 timing input

AOM - 100

System Specifications:

Optical Interface

Data rate 32.768Mbps±50ppm
SourceMLM LD
Maximum output.....-8 dBm
Wavelength 1310±10 nm
Line code.....Scrambled NRZ
Fibre type Single mode
Detector Type PIN-FET
Minimum sensitivity-34 dBm
Connector..... SC/PC

E1 Tributaries

Data rate 2.048 Mbps ±50 ppm (G.703)
Line code HDB3 (G.703)
Line impedance 75 or 120 ohms(G.703)

LED indications

Power on, E1 in, Optical in, System
Fail(Major/Minor)

Mechanical

High&Width&Depth....44&210&255mm
Optical SC/PC
E1RJ45

NMS

Mode text/GUI
Interface RS232

Timing Interface

External E1 line
Optical line
Internal

Power

DC input voltage.....-48V
AC input voltage.... 110-220V (Option)
Power consumption <20W

Operation Environment

Temperature Range-10°C to 65°C
Humidity up to 95% without condensation

EMI/EMC

CISPR/FCC Class A , EN 50082-1