ERICSSON MA5300D MPEG ADAPTER

The Ericsson MA5300D MPEG Adapter is an ATM concentrator/de-concentrator that enables transmission and reception of video over PDH, SDH and SONET networks.

The MA5300D MPEG Adapter is a high quality MPEG-2 to ATM bridge offering simplified system architecture. Based on open standards, the MA5300D has been designed to meet the demanding requirements of post-production distribution applications, where multiple transport streams are concentrated or de-concentrated through a single telecom connection over PDH/SDH/SONET networks.

BUSINESS BENEFITS

Scalable and Efficient

- Expands with business needs

Flexible

- Highly configurable for cost-effective solutions to suit your systems

Quality

- Robust clock recovery and PSU redundancy

Field Proven

- Hundreds in live operation around the world

IP over ATM

- In-band control and monitoring

SVC Support

- Dial on-demand connectivity

BASE UNIT FEATURES

MA5300D Base Unit (M2/ATM53/MA5300D)

A high degree of flexibility enables you to configure a combination of concentrating and de-concentrating functionality that exactly suits your needs, all in a compact 2RU chassis.

- Modular architecture
- Dual PSU - gives automatic redundancy of PSU if a failure occurs
- Open standards - based on ITU-T.J82 and ATM Forum Specifications
- Dynamic selection of adaptation layers - AAL-1 +FEC or AAL-5
- PVC and SVC operation - point-to-point and point-to-multi-point, PVC and SVC
- SNMP Traps and RS-232 port - assists in fault finding
- Supports standard and enterprise specific MIB's - interfaces to most monitoring systems
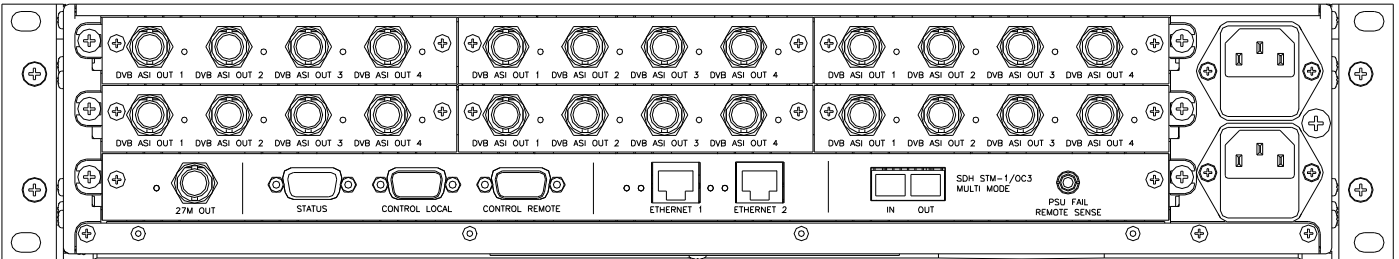
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OPTIONS

Input and Output Modules

- Four ASI Input Module concentrator card (M2/ATM53/4ASI-IN)

- Four ASI Output Module is a de-concentrator (M2/ATM53/4ASI-OUT)

Network Interface Modules

- STM-1/SDH/SONET Multi-Mode Fiber Module (M2/ATM53/155SDH-MM)

- STM-1/SDH/SONET Single-Mode Fiber Module (M2/ATM53/155SDH-SM)

- STM-1/SDH/SONET Electrical-Mode BNC Module (M2/ATM53/155SDH-E)

- DS3/PDH G703 45 Mbps BNC Connector Module (M2/ATM53/DS3)

- E3/PDH G703 34 Mbps BNC Connector Module

SAMPLE CONFIGURATION

SPECIFICATIONS

Inputs and Outputs

ASI input option module (concentrator)

DVB ASI Input (Copper) BNC

ASI output option module (De-concentrator)

DVB ASI Output (Copper) BNC

Full duplex ATM input/output dependent upon physical interface

Physical Interfaces

STM-1/SDH, and SONET OC3 multi-mode and single mode, STM-1 Electrical SC connector type

DS3/PDH, G.703 BNC Connector

E3/PDH, G.703 BNC Connector

Alarm relay contact, 9-way D-type

Features

Modular architecture with up to six option modules

Supports SNMP Simple Network Management Protocol

Dynamic selection of adaptation layer, AAL-1 + FEC or AAL-5 on each channel

Supports FEC/Interleaving in AAL-1 mode

Alarm/Fail relays
RS-232 user diagnostics

IP over ATM for both PVC and SVC

Dual PSU giving redundancy if failure occurs

Control

Local control through RS-232 port

Remote control (via Telnet, SNMP, nCompass Device level control, Cortex-2) through 10BaseT Ethernet port

Physical and Power

2RU unit, 19" rack mounting

Dimensions (W x D x H)
440 x 505 x 89mm (17.5 x 20 x 3.5 inches)

Input Voltage
110 VAC to 120 VAC / 220 VAC to 240 VAC

Approximate Weight
10 kg (22 lbs)

Environmental Conditions

Operating Temperature
0°C to 45°C (32°F to 113°F) ambient for equipment

Relative Humidity
0% - 90% (non-condensing)