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SDU/EFB/MP: Signal Distributor Unit for E1 / T1 Telecom Signals

The SDU/EFB signal distributor unit is a signal diplexer that allows to connect up to 24 devices to one E1/T1 sync output. This is a very compact and cost effective way to increase the number of E1/T1 ports available for synchronizing telecom switches and multiplexer as well as other devices that require a 1.544 or 2.048 MBit/s reference.

Key Features

- 19 Inch Metal desktop case
- 100-240 V AC / DC or 20-60 V DC Power Supply
- 2.048 Mbit/s E1-Mode unbalanced 2.048 Mbit/s E1-Mode balanced

Description

The SDU/EFB chassis is a rackmount, 1RU metal housing and can be ordered in two different versions supporting either 120 Ohm balanced input/output RJ45 connectors or 75 Ohm unbalanced BNC connectors. The SSM/TOC information is forwarded without modification to the output ports.

An alarm relay contact and a LED signals the loss of the input signal or a failure of the system. Both 20-60 V DC and 100-240 V AC/DC power supply options are available.

The SDU/EFB chassis supports up to two power modules in a redundant power solution.

Characteristics

Available Output Signals	2.048 Mbit/s E1 (2.048 Mbit/s), 120 ohm, balanced, via RJ45 connectors
	2.048 Mbit/s E1 (2.048 Mbit/s), 75 ohm, balanced, via BNC female connectors
19"-Abmessungen'	(W x H x D) 443 mm x 45 mm x 285 mm
Power Consumption	28 W
Operating Voltage	100-240 V DC / 100-240 V AC (50/60 Hz) or 20-60 V. DC
Form Factor	19" aluminium case (1U) Schroff Multipac
IP Rating	IP20
Supported Temperature	0 to 50 °C / 32 to 122 °F
Supported Humidity	Max. 85 % (non-condensing) at 40 °C
Warranty	Three-year warranty
RoHS Status of Product	This product is fully RoHS-compliant.
WEEE Status of Product	This product is handled as a B2B (Business to Business) category product. To ensure that the product is disposed of in a WEEE-compliant fashion, it can be returned to the manufacturer. Any transportation expenses for returning this product (at end-of-life) must be covered by the end user, while Meinberg will bear the costs for the waste disposal itself.

Manual

The English manual is available as a PDF file: [1][Download \(PDF\)](https://www.meinbergglobal.com/download/docs/manuals/english/sdu-efb-mp.pdf)

Links:

[1] <https://www.meinbergglobal.com/download/docs/manuals/english/sdu-efb-mp.pdf>