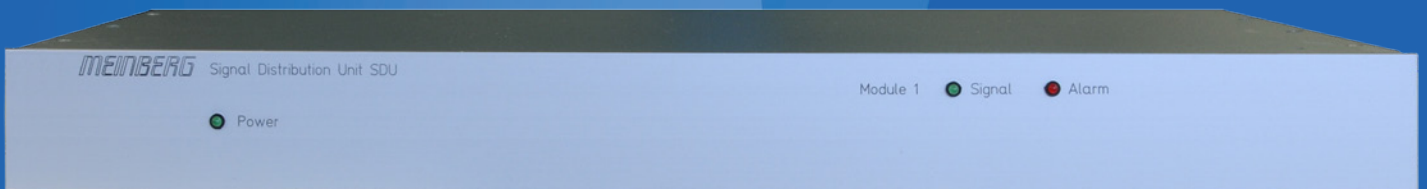




SDU / EFB / MP

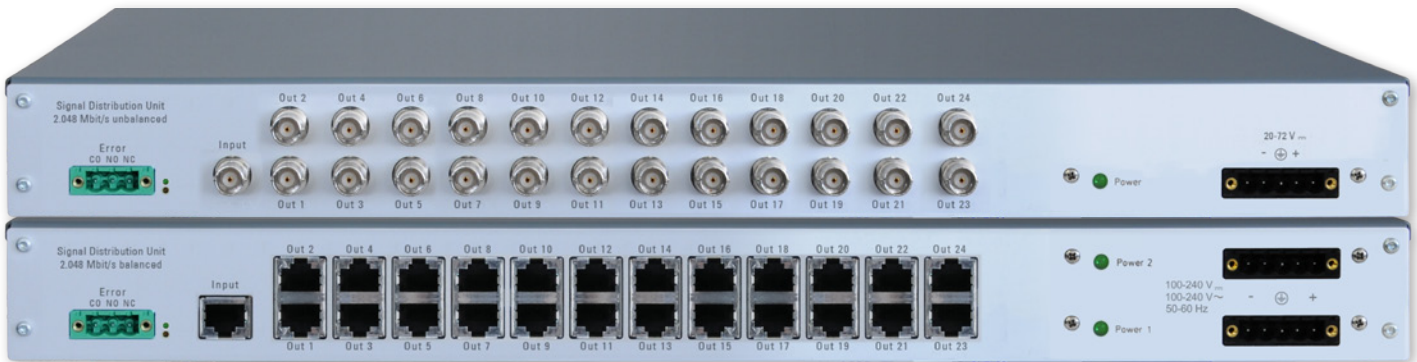


T1 / E1 Signal Distribution Unit 1.544 Mbit/s and 2.048 Mbit/s

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Signal Distributor Unit SDU / EFB

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.

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 19-72 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.

Technical Specifications SDU / EFB

| | |
|----------------------|--|
| Housing: | 19 Inch Metal desktop case Front panel: 1U/84HP (43,6 mm high / 426,4 mm wide) |
| Protection Rating: | IP20 |
| Power Consumption: | 28W |
| Input Voltage: | 100...240VAC |
| Input Fuse: | Electronic |
| Temperature: | 0...50°C |
| Physical Dimensions: | (W x H x D) 443 mm x 45 mm x 285 mm |

Power Supply

| | High AC/DC | Low DC |
|---------------------|---|---|
| Input Voltage Range | 100-240 V AC (50-60Hz) 100-240 V DC | 20-72 V DC |
| Input Current | 1.0 A _{max} | 0.5 A _{max} |
| Input Fuse | T2.5 A / 250 V | 6 A (T) / 250 V |
| Pin Assignment | 1: Vcc - (N \~{ }) 2: not connected 3: GND (Ground) 4: not connected 5: Vcc + (L \~{ }) | 1: not connected 2: Vcc - 3: GND (Ground) 4: Vcc + 5: not connected |

2.048Mbit/s E1-Mode balanced

Mode: E1 (2.048 Mbit/s), 120 ohm, balanced, via RJ45 connectors

| | |
|-----------------|-----------------------------------|
| Connector Type: | 8P8C (RJ45) |
| Cable: | CAT 5.0 or Coax |
| Assignment: | Pin 1 - TX Ring Pin 2 - TX Tip |

2.048Mbit/s E1-Mode unbalanced

Mode: E1 (2.048 Mbit/s), 75 ohm, unbalanced, via BNC connector

| | |
|-----------------|------------|
| Connector Type: | BNC female |
| Cable: | Coax |