



Meinberg Funkuhren

Lange Wand 9

31812 Bad Pyrmont, Germany

Phone: +49 (5281) 9309-0

Fax: +49 (5281) 9309-30

<https://www.meinbergglobal.com>

info@meinberg.de

SDU/FO: Extension of existing fiber - optical signals with additional fiber optical outputs.

Meinberg SDU/FO devices are the simplest and most convenient way to add more buffered timing signal outputs to your distribution rack. The SDU/FO base chassis can be ordered with one or two distribution modules, each providing up to twelve additional fiber optic signals.

Key Features

- Maximum of 24 outputs in a 1U chassis (2x 1:12 distribution)
- Status LEDs
- Suitable for distribution of unmodulated time codes (IRIG DCLS)
- One or two distribution modules
- Compact 1U housing, even in 24 port version
- Three-year warranty

Description

Each distribution module has one input and 12 buffered outputs plus an alarm relay to signal a missing input signal or an internal error. The SDU-FO chassis fits in 19" racks and is available with both AC and DC power supply options.

The alarm relay contact and the status LEDs in the front panel indicate to the operator whether an input signal or an internal error has been detected that could affect the output signal.

The SDU / FO base chassis equipped with one or two distribution modules is ready to amplify and distribute TTL-level signals such as 1PPS, 10MHz and unmodulated IRIG time code. An option is available for a TTL signal input instead of the FO input.

Characteristics

| | |
|---------------------------------|---|
| Input signal | FO Module Fiber optic signal, 850 nm multi mode (PPS, IRIG-DCLS, 10 MHz, ...) optional: TTL input via BNC connector |
| Signal Propagation Delay | FO: rise 45 ns, fall 45 ns |
| Output signal | FO Modul max. 12 x fiber optic outputs (850 nm multi mode) with ST connectors |
| Operating Voltage | 85-264VAC (50/60Hz) |
| Form Factor | 19" aluminium case (1U) Schroff Multipac |
| Power Supply Unit | Standard PSU: 85 ... 264VAC, 47 ... 63Hz Several other power supply units (even for DC power supply) are available upon request. |
| Physical Dimensions | 485mm x 45mm x 305mm |
| Supported Temperature | Operational: 0 - 50 °C (32 - 122 °F) Storage: -20 - 70 °C (-4 - 158 °F) |
| Supported Humidity | Max. 85 % (non-condensing) at 40 °C |
| Technical Support | Meinberg offers free lifetime technical support via telephone or e-mail. |
| 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-fo.pdf)

Links:

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