In addition to innovative bulk fiber optic cable, Cleerline Technology Group’s complete solutions now include media extension supplies!

Cleerline Media Extenders support Gigabit Ethernet, allowing high quality signal distribution from fiber to RJ45 connections or from SFP to SFP. Extenders feature empty SFP slots, making customization for single mode or multimode fibers possible. Select models also support PoE+!

For difficult environments like those seen when extending networks to locations like gates or outbuildings, Industrial Switches are ruggedized, with an IP40 rating and operating temperature of -40~+75°C. Industrial Power Supplies are available for use with the Industrial Switches.

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**MEDIA EXTENDERS - POWER SUPPLY INCLUDED**

- **SSF-SFP-RJ45-1G**
  - Gigabit SFP to RJ45 Converter

- **SSF-SFP-RJ45-10G**
  - 10 Gigabit SFP to RJ45 Converter

- **SSF-SFP-SFP-CON**
  - Gigabit SFP to SFP Converter

- **SSF-SFP-SFP-CON10G**
  - 10 Gigabit SFP to SFP Converter

- **SSF-SFP-RJ45POE-1G**
  - Gigabit SFP to Ethernet RJ45 Converter with PoE+

- **SSF-SFP-RJ452POE-1G**
  - Gigabit SFP to 2 x RJ45 Converter with PoE+

**INDUSTRIAL SWITCHES - POWER SUPPLY REQUIRED**

- **SSF-1x2-RUGGED**
  - Industrial 1 x SFP to 2 x RJ45 Gigabit Switch with PoE+
  - 60W budget

- **SSF-1x4-RUGGED**
  - Industrial 1 x SFP to 4 x RJ45 Gigabit Switch

- **SSF-1x4POE-RUGGED**
  - Industrial 1 x SFP to 4 x RJ45 Gigabit Switch with PoE+
  - 120W budget

Industrial Switches require an external power supply (sold separately).

- SSF-1x2-RUGGED & SSF-1x4-RUGGED require a 60W Power Supply: SSF-DIN-48V-PS.
- SSF-1x4POE-RUGGED requires a 120W Power Supply: SSF-DIN-48V-120W-PS.
To match Cleerline’s Media Extenders, the new product line features a variety of **SFP transceiver modules**. Options for single mode and multimode fibers are included in the new product offering, with support for 1Gb (SFP) and 10Gb (SFP+) transmissions.

Within the SFP line, **BiDi Single Mode SFPs** (A and B modules required) allow bidirectional transmission over one strand of single mode fiber.

To learn more, visit [www.cleerlinefiber.com](http://www.cleerlinefiber.com)

**SFP Modules**

| SSF-SFP-MM1G   | 1G SFP transceiver MM, 850nm, 550m max reach, w/DDM |
| SSF-SFP-MM10G  | 10G SFP+ transceiver MM, 850nm, 300m max reach     |
| SSF-SFP-SM1G   | 1G SFP transceiver SM, 1310nm, 20Km max reach, w/DDM |
| SSF-SFP-SM10G  | 10G SFP+ transceiver SM, 1310nm, 20Km max reach      |

**BiDi SFP Modules (A & B Modules Required)**

| SSF-SFP-MM1GBDA | 1G SFP transceiver BiDi T:1310/R:1550nm, 20Km max reach |
| SSF-SFP-MM1GBDB | 1G SFP transceiver BiDi T:1550/R:1310nm, 20Km max reach |
| SSF-SFP-SM1GBDA | 1G SFP transceiver BiDi T:1310/R:1550nm, 20Km max reach |
| SSF-SFP-SM10GBDA | 10G SFP+ transceiver BiDi T:1270/R:1330nm, 20Km max   |
| SSF-SFP-SM10GBDB | 10G SFP+ transceiver BiDi T:1330/R:1270nm, 20Km max   |

**Power Supplies & Accessories**

| SSF-DIN-48V60W-PS | Industrial Power Supply 60W |
| SSF-DIN-48V120W-PS | Industrial Power Supply 120 W |
| SSF-1RUME-12AC    | 12 Slot Fiber Chassis, 1RU fits SSF-SFP-RJ45-1G & SSF-SFP-SFP-C0N |
| SSF-DIN-RAIL      | 19” Metal Din Rail |