FST1002 Gfast SFP Module
106Mhz Gfast Small Form-factor Pluggable

FEATURES

• Small, robust design supports wide area network (WAN) connection with fiber-like speeds
• Full ITU-T G.9700 & 9701 (Gfast) support
• Input Type-F Coaxial Gfast connections
• SFP serial data
• Self-powered via the standard SFP cage
• Approximately 2 Watts total power consumption
• Diagnostic LEDs for Power status, and Broadband link status
• K.21 lightning protection included for Gfast port

PRODUCT OVERVIEW

The ARRIS FST1002 Gfast module is designed for use in the Small Form-factor Pluggable (SFP) cage of any gateway with the standard cage. The module can be inserted in any standard SFP cage by either installation technicians or the customer. The FST1002 converts Gfast signals from coaxial cable to SFP for the gateway it supports.

The SFP module draws power from the SFP cage. The module is managed via the ITU-T G.997.2 embedded operations channel. It requires no input or interaction by the user beyond connecting the coax cable and understanding the LED indications on the device. The modem is protected with enhanced K.21 level lightning protection.
## GENERAL SPECIFICATIONS

### Gfast

- **Gfast:** ITU-T G.9700 & G.9701; 106Mhz band plan
- **Handshake:** ITU-T G.994.2
- **Management:** ITU-T G.977.2
- **Modulation:** DMT 2048, 51.77Khz spacing, 12 bits/symbol
- **Duplexing:** Time Domain Duplexing
- **Error Correction:** Trellis Code + Reed Solomon
- **Transmission Rate:** > 900Mbps @ physical layer

### Certifications

- **FCC:** Part 15B
- **UL/C-UL:** UL60950
- **Broadband Forum:** Gfast Certification

### Physical

- **Enclosure:** Metal
- **Size:** 106 x 18 x 16mm
- **LEDs:** Power, Broadband
- **Operating Temperature:** 32° F to 104° F (0° C to 40° C)
- **Relative Humidity:** 5 – 90% (non-condensing)
- **Storage Temperature:** −4° F to 158° F (−20° C to 70° C)
- **Power Usage:** 2W typical @ 5Vdc
- **Weight:** 3.3 oz. (94g)

## GENERAL SPECIFICATIONS

### Interfaces

- **SFP (Small Form-factor Pluggable):** Standard SFP receptacle (cage)
- **Type-F Connector:** Metal coaxial cable connector
- **Power LED:** Green/Red LED on front of unit
- **Broadband LED:** Green/Red LED on front of unit

### Included in the Box

- FST1002 Gfast SFP Module
- Gfast to SFP interface
- Installation Guide
- Quick Installation Guide

## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>599075-001-00</td>
<td>FST1002 Gfast SFP Module</td>
</tr>
</tbody>
</table>

**CUSTOMER CARE**

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
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