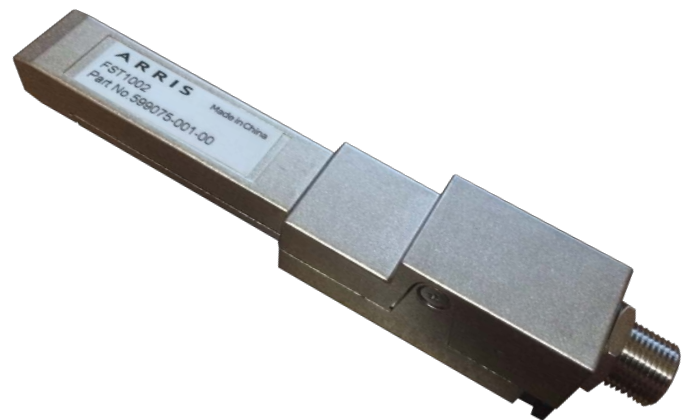


FST1002 Gfast SFP Module

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

Part Number	Description
599075-001-00	FST1002 Gfast SFP Module

CUSTOMER CARE

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656