

FST1000 Gfast SFP Modem

Gfast modem in a Small Form-factor Pluggable module

FEATURES

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



PRODUCT OVERVIEW

The ARRIS FST1000 Gfast module is designed for use in a gateway equipped with a standard Small Form-factor Pluggable (SFP) cage. The module may be inserted in a SFP cage in the field by an installation technician or the consumer. The FST1000 converts Gfast signals from an unshielded twisted pair (UTP) phone line to Gigabit Ethernet 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 phone 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	91mm x 18mm 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)
RJ-14 WAN Port	ITU-T Gfast (Green) Twisted Pair
Power LED	Green/Red LED on front of unit
Broadband LED	Green/Red LED on front of unit

Included in the Box

FST1000 Gfast SFP Module	Gfast to SFP interface
Phone cable	6 ft. green phone cable
Installation Guide	Quick Installation Guide

ORDERING INFORMATION

Part Number	Description
597713-001-00	FST1000 Gfast SFP Module

CUSTOMER CARE

Contact Customer Care for product information and sales:

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