

FST1203 Gfast Bridge Modem

Gfast over coax or phone line to Ethernet

FEATURES

- Small, robust design supports wide area network (WAN) connection with fiber-like speeds
- Full ITU-T G.9700 & 9701 (Gfast) support
- Input either coax Gfast or phone line Gfast connections
- Output Gigabit Ethernet (IEEE 802.3)
- USB powered via the included USB power adapter
- Approximately 3 Watts total power consumption
- Wall mountable or desktop placement
- Diagnostic LEDs for Power status, Ethernet link status, and Broadband link status
- Enhanced K.21 lightning protection included for G.fast ports



PRODUCT OVERVIEW

The ARRIS FST1203 bridge modem is designed to upgrade the WAN interface of legacy gateways with fiber-like speeds. The modem can be mounted in various orientations and locations by either installation technicians or the consumer. The FST1203 converts Gfast signals from either a coaxial cable or unshielded twisted pair (UTP) phone line to Gigabit Ethernet for the gateway it supports. The bridge modem can draw power from any gateway with USB 3.0 ports to which it is connected or from any USB 3.0 port or the included USB adapter. The modem is managed via the ITU-T G.997.2 embedded operations channel. It requires no input or interaction by the user beyond connecting the cables and understanding the LED indications of the front panel. 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	Black
Size	102.2mm x 92.2mm x 30mm
LEDs	Power, Broadband, Ethernet
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	3.1W typical @ 5Vdc
Weight	4.3 oz. (122g)

GENERAL SPECIFICATIONS

Interfaces

Power Jack	5V DC Type M Barrel Receptacle
RJ-45 LAN Port	802.3 Gigabit Ethernet (Red)
RJ-14 WAN Port	ITU-T Gfast (Green) Twisted Pair
F-Type Coax Connector	ITU-T Gfast (metal) F-Type Coax
Reset Button	Momentary switch on back of unit
Power LED	Green/Red LED on front of unit
Broadband LED	Green/Red LED on front of unit
Ethernet LED	Green/Orange LED on front of unit

Included in the Box

FST1203 Gfast Modem	Gfast to GigE bridge modem
Ethernet cable	6 ft. White Cat5E GigE Ethernet cable
USB Power adapter	120Vac to 5Vdc USB adapter
USB Power cable	6 ft. Black type M barrel to USB type A
RG-6 Coaxial cable	6 ft. Dual shielded RG-6 Coax
Installation Guide	Quick Installation Guide

ORDERING INFORMATION

Part Number	Description
599074-001-00	FST1203 Gfast Modem Kit

CUSTOMER CARE

Contact Customer Care for product information and sales:

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