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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gfast</td>
<td>ITU-T G.9700 &amp; G.9701; 106MHz band plan</td>
</tr>
<tr>
<td>Handshake</td>
<td>ITU-T G.994.2</td>
</tr>
<tr>
<td>Management</td>
<td>ITU-T G.977.2</td>
</tr>
<tr>
<td>Modulation</td>
<td>DMT 2048, 51.77Khz spacing, 12 bits/symbol</td>
</tr>
<tr>
<td>Duplexing</td>
<td>Time Domain Duplexing</td>
</tr>
<tr>
<td>Error Correction</td>
<td>Trellis Code + Reed Solomon</td>
</tr>
<tr>
<td>Transmission Rate</td>
<td>&gt; 900Mbps @ physical layer</td>
</tr>
</tbody>
</table>

### 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)

## 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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>599074-001-00</td>
<td>FST1203 Gfast Modem Kit</td>
</tr>
</tbody>
</table>

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**CUSTOMER CARE**

Contact Customer Care for product information and sales:

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

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