Juniper Networks J4350 and J6350 routers provide up to Gigabit Ethernet performance for enterprise remote, branch, and regional offices. They run modular JUNOS software which offers advanced services (MPLS, IPv6, quality of service (QoS), multicast) and security (stateful firewall and IPSec VPN) at no additional charge. The J4350 and J6350 Services Routers support integrated IP Telephony using the Avaya IG500 Integrated Gateway. The J4350 and J6350 routers are forward-looking platforms with performance headroom and extensible memory to meet future demands, and they provide unmatched reliability, investment protection, and value for the enterprise.

### Product Description

Juniper J4350 and J6350 routers are ideal for branch offices connected directly to a traditional private network such as leased lines, Frame Relay, ATM or MPLS, or for branch offices where the public Internet is being used as an alternative to a traditional private WAN. Because the J4350 and J6350 offer superior performance while running services such as stateful firewall, Network Address Translation (NAT), and IPSec, they are also ideally suited for Metro Ethernet deployments.

The Juniper J4350 and J6350 are modular routers that support Juniper Physical Interface Modules (PIMs) which provide a wide variety of common WAN and LAN interfaces, including Gigabit Ethernet. Both models offer hardware encryption acceleration (optional on the J4350), and are available in DC and Network Equipment Building System (NEBS) versions. Additionally, the J6350 offers redundant AC or DC power supplies. The following table outlines key hardware features:

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
</table>
| J4350   | - Support for T1, E1, Fast Ethernet, Serial, ISDN BRI, ADSL/2/2+, G.SHDSL, DS3, E3, Gigabit Ethernet Interfaces  
- Support for integrated IP Telephony using the Avaya IG550 Integrated Gateway  
- 4 fixed GE LAN ports, 4 PIM slots, and 2 EPIM/PIM slots  
- DC version available  
- 1 GB or 256 MB DRAM default, expandable to 2 GB DRAM  
- 256 MB compact flash default, upgradeable to 1 GB  
- Hardware encryption acceleration (optional)  
- NEBS compliant models available |
| J6350   | - Support for T1, E1, Fast Ethernet, Serial, ISDN BRI, ADSL/2/2+, G.SHDSL, DS3, E3, Gigabit Ethernet Interfaces  
- Support for integrated IP Telephony using the Avaya IG550 Integrated Gateway  
- 4 fixed GE LAN ports, 2 PIM slots, and 4 EPIM/PIM slots  
- DC version available  
- 1 GB DRAM default, expandable to 2 GB DRAM  
- 256 MB compact flash default, upgradeable to 1 GB CF  
- Hardware encryption acceleration standard  
- NEBS compliant models available  
- Redundant AC or DC power supplies |
Features and Benefits

Juniper J4350 and J6350 routers offer a number of key features that include high performance while running advanced services, integrated Voice over IP, a state-of-the-art modular operating system, extensive connectivity options, built-in trouble shooting, and MPLS functionality by default. The following table outlines these features in greater detail:

<table>
<thead>
<tr>
<th>Performance with Services</th>
<th>Feature Description</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Performance with Services</td>
<td>Minimal performance degradation when running advanced services such as stateful firewall, network address translation (NAT), and IPSec.</td>
<td>Enables migration from traditional WAN technologies to next-generation connectivity like xDSL, fiber, and Metro Ethernet without replacing the base system.</td>
</tr>
</tbody>
</table>
| Integrated Voice over IP | Support for Avaya's IG550 Integrated Gateway – a set of plug-in modules that offer media gateway capabilities and a variety of traditional telephony interfaces for analog, digital and ISDN trunks as well as analog and IP stations. The IG550 Integrated Gateway works with the Avaya S8400, S8500, and S8720 Media Servers running Avaya Communications Manager 4.0 to extend rich communications applications transparently to the branch from centralized locations. The IG550 Integrated Gateway also offers customers protection from interruptions in business critical communications at the branch by offering a range of survivability options that enable increased availability under a variety of network conditions up to and including complete loss of WAN connectivity. For more information on the Avaya IG550, please visit: [http://www.avaya.com/gcm/master-us/product/offers/ig550_integrated_gateway.htm](http://www.avaya.com/gcm/master-us/product/offers/ig550_integrated_gateway.htm) | • Reduces deployment and management overhead, providing low total cost of ownership (TCO).  
• Provides multi-level business continuity options.  
• Interoperates with other Juniper and Avaya products.  
• Offers best-in-class integration with integrated management, superior functionality, and limited performance impact, resulting in lower CAPEX, lower OPEX, and lower total cost of ownership. |
| Modular JUNOS Operating System | Cleanly separated operating system components – the Routing Engine, Forwarding Engine, and Services Engine – enable a functional division of labor for seamless operation of many advanced features and capabilities. Each engine has its own protected processing and memory resources so that processing conflicts are never an issue. | • Minimizes network outages by separating software functions into modular components.  
• Prevents minor problems from proliferating to full system crashes.  
• Provides full control of the router even when under distributed denial of service (DDoS) attack, allowing filters to be added when needed most.  
• Maintains high uptime with next-generation command-line interface (CLI) designed to help prevent operational errors.  
• Eases operations with one software code base across all routing platforms with straightforward software updates and upgrades.  
• Facilitates fast certification of releases and full interoperability between products.  
• Provides features for small and regional remote offices to help lower the operational costs of installing, managing, monitoring, and maintaining equipment.  
• Reduces time and effort required to perform tasks such as reordering access control lists and renaming interfaces. |
Product Options

Juniper J4350 and J6350 routers offer a number of options in terms of LAN and WAN ports, hardware encryption acceleration, power supplies, DRAM, compact flash, and feature licenses.

LAN ports

All J4350 and J6350 routers ship with 4 fixed 10/100/1000 Ethernet ports. The customer can optionally add more modular LAN interfaces by ordering the appropriate Physical Interface Modules (PIMs), Enhanced Physical Interface Modules (EPIMs) or Universal Physical Interface Modules (UPIMs). For more information, please see the J4350 and J6350 WAN and LAN Modules Ordering Information section below.

WAN ports

All J4350 and J6350 routers ship without fixed WAN ports. The customer can add modular WAN interfaces by ordering the appropriate PIMs. For more information, please see the J4350 and J6350 WAN and LAN Modules Ordering Information section below.

Hardware Encryption Acceleration

All J6350 models include hardware encryption acceleration by default. Although most J4350 models include hardware encryption acceleration, a version of the J4350 is available without this functionality (J-4350-JB-SC). Customers who purchase J-4350-JB-SC have the option to add hardware encryption acceleration at a later date by purchasing the field-upgradeable Cryptographic Acceleration Module (JXH-HC-S).

Power supply

All J4350 and J6350 routers ship with either a DC power supply or an AC power supply and include a region-specific power cord. The J6350 supports a second redundant AC or DC power supply which can be added by ordering SSG-PS-DC or SSG-PS-AC respectively. The region-specific AC power cable for SSG-PS-AC must be ordered separately.

DRAM

All J4350 models are upgradeable to a maximum of 2 GB DRAM. The J4350 model that ships without hardware encryption acceleration (J-4350-JB-SC) ships with 256 MB of DRAM. All other J4350 models ship with 1 GB of DRAM. Note that when upgrading DRAM, DIMMS should always be installed in pairs, for example to upgrade to 1 GB DRAM, two JXX50-MEM-512M-S DIMMS should be ordered. To upgrade to 2 GB DRAM, four JXX50-MEM-512M-S DIMMS should be ordered.

All J6350 routers ship with 1 GB of DRAM and are upgradeable to 2 GB of DRAM by ordering and installing 2 x JXX50-MEM-512M-S in addition to the default.

Compact Flash:

All J4350 and J6350 routers ship with 256 MB of primary compact flash. The customer can optionally replace the 256 MB primary compact flash with a larger one. This is done by ordering one of the following: JX-CF-512M-S (for 512 MB) or JX-CF-1G-S (for 1 GB).

Operating system

All J4350 and J6350 routers ship with the “Worldwide” version of JUNOS, which has standard encryption as opposed to the “US and Canada” version which has strong encryption. A customer can download the strong encryption version at no charge, provided she/he is able to certify eligibility. The download is available from Juniper’s Customer Support Center Web site https://www.juniper.net/customers/csc/software/.

Feature licenses

Licenses are required to operate the following features on Juniper J4350 and J6350 routers: J-Flow Accounting, Advanced BGP and DLSw. This is done by ordering one or multiple of the following: JX-JFlow-ADV-LTU (J-Flow Accounting), JX-BGP-ADV-LTU (Advanced BGP), J4350-DLSW-LTU (DLSw License for J4350), and/or J6350-DLSW-LTU (DLSw License for J6350). Each license is good for one chassis.
### Specifications

#### Protocols
- IPv4, IPv6, ISO CLNS, DLSw*

#### Routing and Multicast
- OSPF
- BGP
- BGP Router Reflector*
- RIPv2
- Static routes
- IS-IS
- Multicast (IGMPv3, PIM, SDP, DVMRP, Source-specific)
- MPLS
- IPv6 Multicast Listener Discovery (MLD)

#### IP Address Management
- Static
- DHCP (client & server)
- DHCP relay

#### Encapsulations
- Ethernet (MAC+Tagged)
- PPP (Synchronous)
- Frame Relay
- HDLC
- 802.1q support
- MLPPP
- MLFR (FRF.15, FRF.16)
- PPPoe
- DLSw*

#### Traffic Management
- Marking, policing and shaping
- Class based queuing with prioritization
- WRED
- Queuing based on VLAN/DLCI/Interface/Bundles/Filter

#### Security
- Network attack detection
- DoS & DDoS protections (Anomaly-based)
- Tunnels (GRE, IP in IP IPsec)
- DES (56-bit), 3DES (168-bit), AES (256-bit) encryption
- MD5 and SHA-1 authentication
- Prevent replay attack
- Stateful firewall filters

#### Voice Transport
- FRF.12
- Link Fragmentation and Interleaving (LFI)
- Compressed Real-Time Protocol (CRTP)

#### High Availability
- Virtual Router Redundancy Protocol (VRRP)
- Graceful restart
- Dial Backup

### IPv6
- OSPFv3
- Multicast Listener Discovery (MLD)
- BGP
- IPv6 Tunneling
- 6PE

### MPLS
- Layer 2 VPN
- Layer 3 VPN
- Label Distribution Protocol (LDP)
- Resource Reservation Protocol (RSVP)
- Circuit Cross-Connect (CCC)
- Translation Cross Connect (TCC)

### System Management
- JUNOScope manager
- J-Web browser interface
- Service Deployment System (SDX)
- JUNOScript XML API
- JUNOS CLI (console, telnet, SSH)
- SNMPv2 and SNMPv3

### SLA and Measurement
- Real-time Performance Monitoring
- Top talkers (sessions, packets, bandwidth usage)
- J-Flow flow monitoring and accounting services*

### Logging and Monitoring
- Syslog
- Traceroute
- Administration
- External administrator database (RADIUS/LDAP/SecureID)
- Auto Configuration
- Configuration rollback
- Rescue configuration with button
- Commit confirm for changes
- Auto Record for diagnostics
- Software upgrades

### Certifications
- Safety Certifications
  - UL, CUL, CSA, CB
- EMC Certifications
  - FCC Part 15 Class B, BSMI Class B, CE class B, A-Tick
  - Class B, VCCI Class B
  - FCC Part 68, Industry Canada CS-03
  - ETSI EN-300386-2 Telecommunication Network Equipment Electromagnetic Compatibility Requirements

* Requires additional license. See page 3 for more information.
### Maximum Performance and Capacity

<table>
<thead>
<tr>
<th></th>
<th>J6350</th>
<th>J4350</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum JUNOS version</td>
<td>JUNOS 8.1</td>
<td>JUNOS 8.1</td>
</tr>
<tr>
<td>Forwarding Performance (Large Packets)</td>
<td>2 Gbps+</td>
<td>1 Gbps+</td>
</tr>
<tr>
<td>Forwarding Performance (IMIX)</td>
<td>1 Gbps</td>
<td>600 Mbps</td>
</tr>
<tr>
<td>3DES+SHA1 VPN performance (Large Packets)</td>
<td>500 Mbps</td>
<td>300 Mbps w/ HW Acceleration / 30 Mbps w/o HW Acceleration</td>
</tr>
</tbody>
</table>

### Network Connectivity

<table>
<thead>
<tr>
<th>Fixed I/O</th>
<th>4x 10/100/1000 Ethernet</th>
<th>4x 10/100/1000 Ethernet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Physical Interface Module (PIM) Slots</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Maximum Enhanced Physical Interface Module (EPIM) Slots</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

**WAN interface options** | See Physical Interface Modules page 7 | See Physical Interface Modules page 7 |

**LAN interface options** | See Enhanced Physical Interface Modules page 7 | See Enhanced Physical Interface Modules page 7 |

### Flash and Memory

<table>
<thead>
<tr>
<th>Memory min/max (DRAM)</th>
<th>1 GB / 2 GB</th>
<th>256 MB / 2 GB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory slots</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Compact flash min/max</td>
<td>256 MB / 1 GB</td>
<td>256 MB / 1 GB</td>
</tr>
</tbody>
</table>

**USB port for external storage** | Yes | Yes |

### Dimensions and Power

<table>
<thead>
<tr>
<th>Dimensions (H/W/D)</th>
<th>3.5” x 17.5” x 21.5”</th>
<th>3.5” x 17.5” x 21.5”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>25.0 lbs / 11.3 kg (no interface modules + one power supply) / 30.7 lbs / 13.9 kg (six interface + two power supplies)</td>
<td>23.0 lbs / 10.4 kg (no interface modules) / 25.3 lbs / 11.5 kg (six interface modules)</td>
</tr>
</tbody>
</table>

**Rack mountable** | Yes, 2RU | Yes, 2RU |

**Power Supply (AC)** | 100-240 VAC, 420 watts | 100-240 VAC, 350 watts |

**Average Power Consumption** | 166 W | 143 W |

**Input Frequency** | 47-63 Hz | 47-63 Hz |

**Maximum Current Consumption** | 5.7A @ 90 VAC | 5.3 A @ 90 VAC |

**Maximum Inrush Current** | 30 A | 32 A |

**Average Heat Dissipation** | 566 BTU/hour | 488 BTU/hour |

**Maximum Heat Dissipation** | 1,145 BTU/hour | 1,070 BTU/hour |

**Power Supply (DC)** | -48 to -60 VDC, 420 watts | -48 to -60 VDC, 420 watts |

**Redundant Power Supply (Hot Swappable)** | Yes | No |

**Noise Level** | 61.2 dB | 59.3 dB |

### Environment

<table>
<thead>
<tr>
<th>Operational temperature</th>
<th>32° to 122° F, 0° to 50° C</th>
<th>32° to 122° F, 0° to 50° C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-operational temperature</td>
<td>-4° to 158° F, -20° to 70° C</td>
<td>-4° to 158° F, -20° to 70° C</td>
</tr>
<tr>
<td>Humidity</td>
<td>10 to 90% non-condensing</td>
<td>10 to 90% non-condensing</td>
</tr>
<tr>
<td>MTBF (Bellcore model)</td>
<td>12 years</td>
<td>12 years</td>
</tr>
</tbody>
</table>

**Other** | NEBS Level 3 | NEBS Level 3 |
## Ordering Information

The following tables outline part numbers for J4350 and J6350 base systems and options, as well as for associated WAN and LAN modules:

### J4350 Ordering Information

<table>
<thead>
<tr>
<th>J4350 Base System</th>
<th>J4350 Options</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Available Models</strong></td>
<td><strong>Interface Modules</strong></td>
</tr>
<tr>
<td>J-4350-JB-SC (AC without hardware encryption acceleration)</td>
<td>Various choices – see page 7 below</td>
</tr>
<tr>
<td>J-4350-JB (AC with hardware encryption acceleration)</td>
<td>Cryptographic Acceleration Module – to be used with J-4350-JB-SC only (JXH-SC)</td>
</tr>
</tbody>
</table>
| J-4350-JB-N (AC NEBS compliant with hardware encryption acceleration) | Additional DRAM  
Note DRAM upgrades must be installed in matching pairs. For J4350 without encryption acceleration:  
512 MB (JX-SC-512M-SC added to default)  
1 GB (2 x JX-SC-512M-SC replaces default)  
2GB (4 x JX-SC-512M-SC replaces default)  
For J4350 models with encryption acceleration:  
2GB (2 x JX-SC-512M-SC added to default)  |
| J-4350-JB-DC-N (DC NEBS compliant with hardware encryption acceleration) | **Primary Compact Flash**  
Replaces default  
512 MB (JX-CF-512M-S)  
1 GB (JX-CF-1G-S) |
| **Default Configuration Includes** | **Additional DRAM**  
2 GB (2 x JX-SC-512M-SC, added to default)  |
| Modular chassis with 6 slots (4 PIM slots and 2 EPIM/ PIM slots) but no interface modules (PIMs or EPIMs) | **Primary Compact Flash**  
Replaces default  
512 MB (JX-CF-512M-S)  
1 GB (JX-CF-1G-S) |
| 4 fixed 10/100/1000 Ethernet ports | **Additional Software Feature Licenses**  
Advanced BGP (JX-BGP-ADV-LTU)  
J-Flow Accounting (JX-JFlow-LTU)  
DLSw (J4350-DLSW-LTU) |
| AC or DC power supply and region-specific power cord |  |
| 1 GB DRAM (256 MB DRAM on J-4350-JB-SC) |  |
| 256 MB primary compact flash and no secondary compact flash |  |
| JUNOS Worldwide version |  |
| **Additional DRAM**  
2 GB (2 x JX-SC-512M-SC, added to default) |  |
| **Primary Compact Flash**  
Replaces default  
512 MB (JX-CF-512M-S)  
1 GB (JX-CF-1G-S) |  |
| **Additional Software Feature Licenses**  
Advanced BGP (JX-BGP-ADV-LTU)  
J-Flow Accounting (JX-JFlow-LTU)  
DLSw (J4350-DLSW-LTU) |  |

### J6350 Ordering Information

<table>
<thead>
<tr>
<th>J6350 Base System</th>
<th>J6350 Options</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Available Models</strong></td>
<td><strong>Interface Modules</strong></td>
</tr>
<tr>
<td>J-6350-JB (AC with hardware encryption acceleration)</td>
<td>Various choices – see page 7 below</td>
</tr>
<tr>
<td>J-6350-JB-N (AC NEBS compliant with hardware encryption acceleration)</td>
<td></td>
</tr>
<tr>
<td>J-6350-JB-DC-N (DC NEBS compliant with hardware encryption acceleration)</td>
<td></td>
</tr>
</tbody>
</table>
| **Default Configuration Includes** | **Redundant Power Supply**  
DC Supply (SSG-PS-DC)  
AC Supply (SSG-PS-AC) |
| Modular chassis with 6 slots (2 PIM slots, and 4 EPIM/ PIM slots) but no interface modules (PIMs or EPIMs) | **Redundant Power Supply**  
DC Supply (SSG-PS-DC)  
AC Supply (SSG-PS-AC) |
| 4 fixed 10/100/1000 Ethernet ports | **Region-specific AC Power Cables for SSG-PS-AC**  
CBL-JX-PWR-AU (Australia)  
CBL-JX-PWR-CH (China)  
CBL-JX-PWR-EU (Europe)  
CBL-JX-PWR-IT (Italy)  
CBL-JX-PWR-JP (Japan)  
CBL-JX-PWR-UK (United Kingdom)  
CBL-JX-PWR-US (USA) |
| DC or AC power supply with region-specific power cord (optional redundant power supply orderable as spare) | **Additional DRAM**  
2 GB (2 x JX-SC-512M-SC, added to default)  |
| 1 GB DRAM | **Primary Compact Flash**  
Replaces default  
512 MB (JX-CF-512M-S)  
1 GB (JX-CF-1G-S) |
| 256 MB primary compact flash and no secondary compact flash | **Additional Software Feature Licenses**  
Advanced BGP (JX-BGP-ADV-LTU)  
J-Flow Accounting (JX-JFlow-LTU)  
DLSw (J6350-DLSW-LTU) |
| JUNOS Worldwide version |  |
The following table lists all PIMs, EPIMs, and UPIMs available for the J4350 and J6350.

### Physical Interface Module Part Numbers

<table>
<thead>
<tr>
<th>PIMs</th>
<th>Description of Physical Interface Module (PIM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JX-1DS3-S</td>
<td>1-Port DS3 PIM</td>
</tr>
<tr>
<td>JX-1E3-S</td>
<td>1-Port E3 PIM</td>
</tr>
<tr>
<td>JX-2T1-RJ48-S</td>
<td>2-Port T1 PIM</td>
</tr>
<tr>
<td>JX-2E1-RJ48-S</td>
<td>2-Port E1 PIM</td>
</tr>
<tr>
<td>JX-2CT1E1-RJ45-S</td>
<td>2-Port Channelized T1/E1 PIM</td>
</tr>
<tr>
<td>JX-2Serial-S</td>
<td>2-Port Serial PIM</td>
</tr>
<tr>
<td>JX-4BRI-S-S</td>
<td>4-Port ISDN BRI – S Interface</td>
</tr>
<tr>
<td>JX-4BRI-U-S</td>
<td>4-Port ISDN BRI – U Interface</td>
</tr>
<tr>
<td>JX-1ADSL-A-S</td>
<td>1-Port ADSL Annex A PIM</td>
</tr>
<tr>
<td>JX-1ADSL-B-S</td>
<td>1-Port ADSL Annex B PIM</td>
</tr>
<tr>
<td>JX-2SHDSL-S</td>
<td>2-Port 2-wire or 1-Port 4-wire G.SHDSL Interface</td>
</tr>
</tbody>
</table>

### Enhanced PIMs (EPIMs)

<table>
<thead>
<tr>
<th>EPIMs</th>
<th>Description of Enhanced Physical Interface Module (EPIM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JXE-1GE-TX-S</td>
<td>1-Port gigabit Copper EPIM</td>
</tr>
<tr>
<td>JXE-1GE-SFP-S</td>
<td>1-Port gigabit SFP EPIM</td>
</tr>
<tr>
<td>JXE-4FE-TX-S</td>
<td>4-Port FE EPIM</td>
</tr>
</tbody>
</table>

### Universal PIMs (UPIMs)

<table>
<thead>
<tr>
<th>Universal PIMs (UPIMs)</th>
<th>Description of Universal Physical Interface Module (UPIM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JXU-6GE-SFP-S</td>
<td>6-Port SFP Gigabit Ethernet Universal PIM, SFPs are sold separately - Spare</td>
</tr>
<tr>
<td>JXU-8GE-TX-S</td>
<td>8-Port Gigabit Ethernet 10/100/1000 Copper Universal PIM - Spare</td>
</tr>
<tr>
<td>JXU-16GE-TX-S</td>
<td>16-Port Gigabit Ethernet 10/100/1000 Copper Universal PIM - Spare</td>
</tr>
</tbody>
</table>

### Small Form Pluggable (SFP) Modules

The 6-port SFP Gigabit Ethernet Universal PIM requires a SFP module to provide the physical interface. The SFP is ordered separately from the UPIM. The available SFP modules are shown below.

### Small Form Pluggable Module Part Numbers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>JX-SFP-1GE-LX</td>
<td>SFP 1000Base-LX gigabit Optical Transceiver SFP Module</td>
</tr>
<tr>
<td>JX-SFP-1GE-SX</td>
<td>SFP 1000Base-SX gigabit Optical Transceiver SFP Module</td>
</tr>
<tr>
<td>JX-SFP-1000BASE-T</td>
<td>SFP 1000Base-T gigabit Copper Transceiver SFP Module</td>
</tr>
</tbody>
</table>
Serial Interface Cables

The 2-Port Serial PIM requires the customer to purchase serial cables separately. The available serial cables are listed below.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cable Type</th>
<th>Length</th>
<th>Connector Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>JX-CBL-EIA530-DCE</td>
<td>EIA530 cable (DCE)</td>
<td>10 feet, 3 meters</td>
<td>Female</td>
</tr>
<tr>
<td>JX-CBL-EIA530-DTE</td>
<td>EIA530 cable (DTE)</td>
<td>10 feet, 3 meters</td>
<td>Male</td>
</tr>
<tr>
<td>JX-CBL-RS232-DCE</td>
<td>RS232 cable (DCE)</td>
<td>10 feet, 3 meters</td>
<td>Female</td>
</tr>
<tr>
<td>JX-CBL-RS232-DTE</td>
<td>RS232 cable (DTE)</td>
<td>10 feet, 3 meters</td>
<td>Male</td>
</tr>
<tr>
<td>JX-CBL-RS449-DCE</td>
<td>RS449 cable (DCE)</td>
<td>10 feet, 3 meters</td>
<td>Female</td>
</tr>
<tr>
<td>JX-CBL-RS449-DTE</td>
<td>RS449 cable (DTE)</td>
<td>10 feet, 3 meters</td>
<td>Male</td>
</tr>
<tr>
<td>JX-CBL-V35-DCE</td>
<td>V.35 cable (DCE)</td>
<td>10 feet, 3 meters</td>
<td>Female</td>
</tr>
<tr>
<td>JX-CBL-V35-DTE</td>
<td>V.35 cable (DTE)</td>
<td>10 feet, 3 meters</td>
<td>Male</td>
</tr>
<tr>
<td>JX-CBL-X21-DCE</td>
<td>X.21 cable (DCE)</td>
<td>10 feet, 3 meters</td>
<td>Female</td>
</tr>
<tr>
<td>JX-CBL-X21-DTE</td>
<td>X.21 cable (DTE)</td>
<td>10 feet, 3 meters</td>
<td>Male</td>
</tr>
</tbody>
</table>

About Juniper

Juniper Networks develops purpose-built, high performance IP platforms that enable customers to support many different services and applications at scale. Service providers, enterprises, governments and research and education institutions rely on Juniper to deliver a portfolio of proven networking, security and application acceleration solutions that solve highly complex, fast-changing problems in the world’s most demanding networks. Additional information can be found at www.juniper.net.