



## Wireless WAN Solutions

### Primary Data Solution

Extend networks when traditional backhaul is expensive or unavailable. Use as wireline replacement, out of band management or telemetry.

- Retail businesses
- Remote offices
- ATMs, kiosks, SCADA
- Monitoring and control
- Utilities, cameras, sensors

### Back-up Data Solution

Replaces expensive failover technologies or provides truly diverse backup when you need it.

- Diverse fail-over for your DSL or T1 line (all offices)
- Replaces expensive, slow and unreliable ISDN, dial-up or satellite

### Temporary Data Solutions

Provides Internet access when you need the last mile at the last minute.

- Construction sites
- Disaster response kits
- Event operations
- Seasonal stores

### Mobile Data Solutions

When you need rugged and reliable data service for fleet vehicles, field techs or passenger connectivity.

- First responders
- Government services
- Transit systems
- Nautical transportation
- Private transportation

**Junxion makes it easier to extend your enterprise data networks with cellular broadband.**

**install easily.  
connect reliably.  
manage remotely.**



## Junxion Box™ field-upgradeable cellular router solutions

JB-120e (Ethernet LAN only)  
JB-120g (Ethernet & Wi-Fi LAN)

## Cellular data for the enterprise

The Junxion Box cellular router allows businesses to quickly and easily add cellular network backhaul (3G and beyond) to their network infrastructure improving business processes, reducing costs and taking their enterprises beyond wires and walls.

### easy

#### Applicability

Built expressly for enterprise and government customers, Junxion Box™ wireless WAN routers with patent-pending firmware provide computing devices like laptops, desktops, handhelds, POS systems, ATM machines and remote security cameras with simplified access to data services from wireless carriers.

#### Connectivity

No client device software is required for connecting with wireless PC Card modems; Junxion Platform™ firmware includes the drivers and other tools required to establish and manage a connection.

#### Management

Sophisticated enterprise-grade features are controlled through the intuitive browser-based Device Manager.

Junxion now offers Field Commander™ remote management for customers that need to monitor, configure and update fleets of Junxion Boxes or single units in the field. Hosted Field Commander is available at no cost for all existing or new Junxion Boxes. Licensed Field Commander is available for download (set-up fee only).

#### Deployment

Junxion Complete™ is a proven turn-key solution program that reduces the complexity and cost of large unit installations virtually anywhere in the U.S.

### flexible

#### Versatility

The Junxion Box™ supports a broad array of computing devices for a variety of stationary and portable applications (see examples at left).

#### Innovation

Junxion works closely with customers and carrier partners to continually identify and develop new Junxion Platform firmware features.

#### Updateability

Junxion Platform™ firmware updates are regularly posted for download at [www.junxion.com/support](http://www.junxion.com/support).

In addition to other new features, the Junxion Platform™ always supports the latest major high-speed cellular data service technologies from wireless carriers.

PC Card modem swap-ability gives Junxion Box™ owners an upgrade path option that translates into extended useful product life and long-term cost savings.

#### Scalability

When the Junxion Box™ is bundled with Field Commander remote management or Junxion Complete installation services it is uniquely suited for a variety of large-scale deployments.

[www.junxion.com](http://www.junxion.com)



## modems

### AT&T Mobility

- Option GT MAX 3.6 (EDGE/HSDPA)
- Sierra AC875 (EDGE/HSDPA)
- Sierra AC881 (EDGE/HSUPA)

### Sprint

- Novatel S720 (1xEV-DO Rev. A/1xRTT)
- Novatel EX720\* (1xEV-DO Rev. A/1xRTT)
- Sierra AC 595 (1xEV-DO Rev. A/1xRTT)

### Verizon Wireless

- Sierra AC 595 (1xEV-DO Rev. A/1xRTT)
- Dell Wireless 5700\* (1xRTT, 1xEV-DO)

\* Requires Novatel XCA-3 ExpressCard to PCMCIA adapter

For a full list of supported modems refer to [www.junxion.com](http://www.junxion.com)

## add-on services

### Field Commander™

- Commercial-grade remote mgmt.
- Monitor, configure, update
- No cost for hosted Field Commander
- Online demo available

### Junxion Complete™

- Turn-key solution architecture & deployment services
- Reduces large deployment time/cost

### Junxion Care™

- Extends standard warranty to 5 years
- Junxion Care+ for expedited shipping
- More at [www.junxion.com/junxioncare/](http://www.junxion.com/junxioncare/)

## updates

No-cost firmware updates through Field Commander or downloads: [www.junxion.com/support](http://www.junxion.com/support)

## Purchasing Inquiries

Contact your carrier representative, or visit:

[www.junxion.com/purchase](http://www.junxion.com/purchase)

Cellular Data Coverage  
("WWAN")

Junxion Box

Connected Device(s)  
(Ethernet or Wi-Fi LAN)



## specifications

### Models

- JB-120e: Ethernet LAN only, MSRP \$599
- JB-120g: Ethernet & Wi-Fi LAN, MSRP \$699

### Firmware

- **new** Junxion Platform™ v2.0

### Hardware

- PCMCIA card slot (external modem access)
- LED: power, status, Ethernet activity
- Outlet power adapter (12V, 1.25 amp)
- 2 Ethernet cables (crossover)
- FCC compliant

### Compatibility

- OS: Any major commercial operating system, including Windows, Mac, Linux and Solaris
- Devices: desktops, laptops, handhelds, servers, POS systems, ATM machines, remote security, sensing/metering devices...

### WAN (wide area network)

- Removable cellular PC Card modems and select ExpressCards with adapters
- Modems and data service available through wireless carriers and their agents
- Accepts wireline backhaul (DSL, T1, cable, etc.) via Ethernet port
- Supports custom connectivity
- Global DNS override
- Dynamic DNS client (supports DDNS services hosted by third parties)
- WAN Juggler™ integrated fail-over (for back-up)
- WAN Alive™ adjustable keep-alive feature maintains persistent cellular WAN connection
- IP passthrough setting passes public WAN IP address directly through to client device

### LAN (local area network)

- JB-120g: 802.11g
- Ethernet 10/100 Mbit, 2 ports
- NAT with static or DHCP IP addressing
- Completely configurable LAN IP address
- Configurable DHCP server
- Port-forwarding

### Security

- **new** JB-120g: 802.11g on/off
- **new** JB-120g: WPA Enterprise, WEP (64/128 bit)
- VPN pass-through (ESP, AH protocols)
- Onboard VPN (IPsec)
- **new** NAT-Traversal
- **new** Dead Peer Detection, Aggressive Mode
- **new** GRE Tunneling,
- MAC address restriction
- WAN port restriction
- Stateful packet inspection firewall

### Administration

- Field Commander: optional remote monitoring, configuring & updating
- Single-click firmware updates
- SNMP support
- Automatic modem detection & setup
- Device Manager, browser-based UI
- No-cost firmware updates for new data cards
- Activity log accessible via Device Manager
- Signal strength meter via Device Manager
- Optional, customizable splash screen
- One year limited warranty

### Physical

- Certification: military spec durability (with Junxion mounting bracket)
- 6.25" x 10.25" x 1.15" (case only)
- Integrated Wi-Fi/WAN antenna 20cm separation (required per FCC)
- 2.25 lbs. with PC Card modem
- Operating temp: 0° C to 60° C

### Accessories

- Vehicle power adapter
- Travel case (custom, padded, slim)
- Cable kit (2 crossover cables, 2 crossover couplers)
- Mounting bracket (rugged, sleek, easy install, anti-vibration padding, prevents casual modem removal)
- Replacement outlet power adapter

[www.junxion.com](http://www.junxion.com)