



## applications

### Landline Replacement

- Data service alternative
- Drivers: price, service, availability

### Landline Fail-over

- Data service back-up
- Use existing router or WAN Juggler™

### Telemetry

- Data service for retail point of sale systems, ATM machines, kiosks, monitoring/control

### Portable Networks

- Event connectivity, mobile work teams, disaster response, visitor connectivity, telecommuting

### Security

- Remote data connectivity for security devices (video, audio, sensors, etc.)
- Government grants often available

### Mobile

- Data service for fleet vehicles
- Military spec durability w/Junxion mounting bracket

### Mobile Fail-over

- Back-up connectivity to existing wireless services w/in vehicles
- WAN Juggler provides fail-over

### Public Transit

- Data service for busses, trains, vanpools
- GPS, monitor/control, passenger connectivity

### Public Transit/security

- Transit data service plus remote security devices (video, audio, etc.)
- Government grants often available

### Private Transit

- Data service for shuttles, vanpools, carpools, taxis, limousines
- GPS, monitor/control, passenger connectivity

Junxion is stirring up new opportunities for wireless data services.

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



## Junxion Box™ enterprise-grade wireless WAN routers

JB-110e (Ethernet LAN only)  
JB-110b (Ethernet & Wi-Fi LAN)

## Wireless data service is now fast... and accessible.

### 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. Field Commander is available for purchase as a software download or as a hosted service for quick, cost-effective deployments.

#### Deployment

Junxion Complete™ is a new 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 bundled with Field Commander remote management or Junxion Complete installation services, the "green box" is uniquely suited for a variety of large-scale deployments.



## modems

### Alltel

- Kyocera KPC-650 (1xEV-DO/1xRTT)

### Cingular Wireless

- Novatel U520 (UMTS)
- Novatel U730 (HSDPA/EDGE/GPRS)
- **new** Option GT MAX (HSDPA/EDGE/GPRS)
- Sierra AC 775 (EDGE/GPRS)
- Sierra AC 860 (HSDPA/EDGE)
- Sony Ericsson GC82 (EDGE/GPRS)
- Sony Ericsson GC83 (EDGE/GPRS)

### Sprint

- Novatel C201 (1xRTT)
- Novatel S620 (1xEV-DO/1xRTT)
- Sierra AC 550 (1xRTT)
- Sierra AC 580 (1xEV-DO/1xRTT)
- UTStarcom PC-5740 (1xEV-DO/1xRTT)

### Verizon Wireless

- Kyocera KPC 650 (1xEV-DO/1xRTT)
- Novatel V620 (1xEV-DO/1xRTT)
- Sierra AC 555 (1xRTT)
- Sierra AC 580 (1xEV-DO/1xRTT)
- Sierra PC 3220 (1xRTT)
- Sierra PC 5220 (1xEV-DO/1xRTT)
- UTStarcom PC-5740 (1xEV-DO/1xRTT)

## spotlight

Support for large deployments

### Field Commander™

- Enterprise-grade remote mgmnt.
- Monitor, configure, update
- Hosted (quick setup) or licensed
- Developed with carriers, customers
- Notably easy, functional for WWAN
- Online demo available
- Extremely low introductory pricing

### Junxion Complete™

- Turn-key installed solution packages
- Designed for specific applications
- Solution architecture/project mgmnt.
- Guaranteed installation
- 2,200+ technicians across the U.S.
- Structured for collaboration w/carrier personnel, dealers & other partners
- Reduces large deployment time/cost

**U.S. Distributor**  
Trio Technologies  
1.800.676.8694  
www.triotek.com

Cellular Data Coverage  
("WWAN")

Junxion Box

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



## specifications

### Models

- JB-110e: Ethernet LAN only, MSRP \$599
- JB-110b: Ethernet & Wi-Fi LAN, MSRP \$699

### 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 wireless PC Card modems
- 1xRTT, 1xEV-DO, GPRS, EDGE, HSDPA
- Modems and data service available through wireless carriers and their agents
- Accepts wireline backhaul (DSL, T1, cable, etc.) via Ethernet port
- Supports custom APNs on Cingular network, Sprint's DataLink (modems w/hard-coded profile info.)
- 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
- **new** IP passthrough setting passes public WAN IP address directly through to client device

### LAN (local area network)

- JB-110b: 802.11b
- Ethernet 10/100 Mbit, 2 ports
- NAT with static or DHCP IP addressing
- Completely configurable LAN IP address
- Configurable DHCP server
- Port-forwarding

### Security

- JB-110b: 802.11b on/off
- JB-110b: WPA2, WEP encryption (64/128 bit)
- VPN pass-through (ESP, AH protocols)
- Onboard VPN (IPsec), works specifically with Cisco VPN solutions
- MAC address restriction
- WAN port restriction

### Administration

- **new** Automatic modem detection, setup & connection
- Device Manager, browser-based UI
- Device Manager quick-setup page
- No-cost regular firmware updates
- Field Commander: optional remote monitoring, configuring & updating
- Activity log accessible via Device Manager
- Signal strength meter via Device Manager
- Optional, customizable splash screen (quick template or custom HTML)
- One year limited warranty

### Firmware

- Junxion Platform™ v1.4

### 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

### 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

