



applications

Landline Replacement

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

Landline Fail-over

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

Telemetry/M2M

- 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 cellular data services.

www.junxion.com



Junxion Box™ field-upgradeable cellular router solutions

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

cellular 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. Hosted Field Commander is available at no cost for all existing or new Junxion Boxes. Licensed Field Commander is available 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.

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.



Alltel

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

Cingular Wireless

- Novatel U520 (UMTS)
- Novatel U730 (HSDPA/EDGE/GPRS)
- Option GT MAX (HSDPA/EDGE/GPRS)
- Sierra AC 775 (EDGE/GPRS)
- Sierra AC860 (HSDPA/EDGE)
- Sierra AC875 (HSDPA/EDGE)
- Sony Ericsson GC82 (EDGE/GPRS)
- Sony Ericsson GC83 (EDGE/GPRS)

Sprint

- Novatel C201 (1xRTT)
- Novatel S620 (1xEV-DO/1xRTT)
- Novatel S720 (1xEV-DO Rev. A/1xRTT)
- Pantech PX-500 (1xEV-DO Rev. A/1xRTT)
- Sierra AC 550 (1xRTT)
- Sierra AC 580 (1xEV-DO/1xRTT)
- Sierra AC 595 (1xEV-DO Rev. A/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

Field Commander™

- Commercial-grade remote mgmt.
- Monitor, configure, update
- Hosted (quick setup) or licensed
- No cost for hosted Field Commander
- Developed with carriers, customers
- Notably easy, relevant for WWAN
- Online demo available

Junxion Complete™

- Turn-key solution architecture & deployment services
- 2,200+ technicians across the U.S.
- Structured for collaboration w/carrier personnel, dealers & other partners
- Reduces large deployment time/cost

Purchasing Inquiries

Contact your wireless carrier representative, or visit:

www.junxion.com/purchase

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 (Rev. A), 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
- 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
- **new** Stateful packet inspection firewall

Administration

- Field Commander: optional remote monitoring, configuring & updating
- **new** SNMP support
- Automatic modem detection & setup
- Device Manager, browser-based UI
- Device Manager "guest" status page
- No-cost regular firmware updates
- 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 firmware v1.5

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

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