



RoadRunner™ WC300

>>>>>>>>>>>>>>> Wireless Cellular Router

Cellular Remote Access

The RoadRunner™ Wireless Cellular Router provides easy access to on-board digital video systems from virtually any location. With a refresh rate of up to five (5) images per second, the WC300 provides live video streaming to district officials and first responders on-scene and at headquarter / office locations.

Highest Performance: The RoadRunner™ Wireless Cellular Router uses standard 3G PC-Card modems (PCMCIA) from popular manufacturers offering bandwidths of over 1,000 Kbps downstream and 500 Kbps upstream, supporting EV-DO RevA/Rev0, 1xRTT, HSPA, HSDPA, UMTS, EDGE & GPRS cards.

Rugged and Secure: The compact rugged modular metal chassis is designed specifically for harsh mobile applications and features a card guard and lock to prevent tampering. With the PC-Card protected inside the unit, the modem is protected from the elements, tampering and being disconnected or removed. Optional PC-Card "pigtail" cables provide a rugged external antenna connection for different PC-Card modems and antennas.

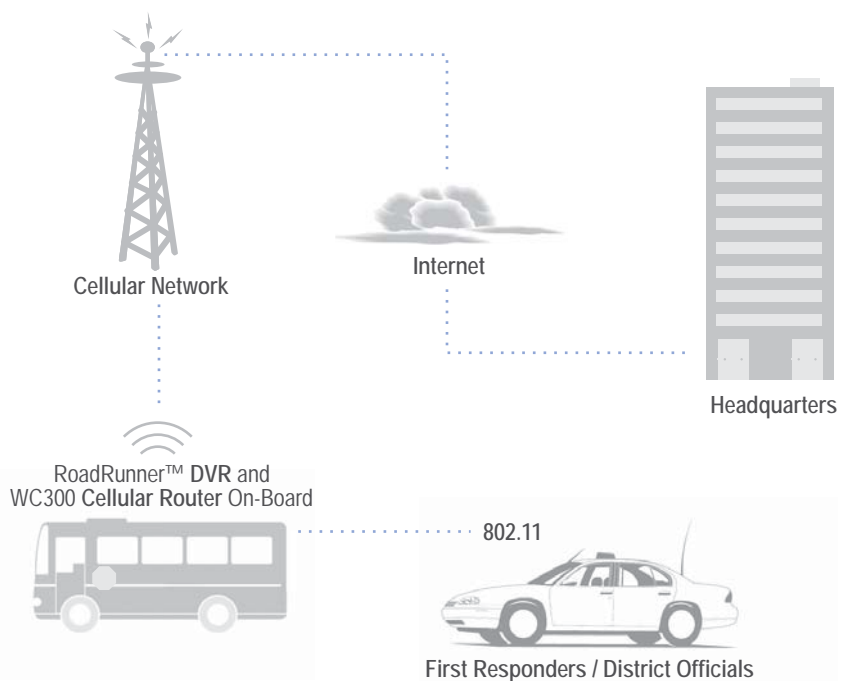
Enterprise Level Security & VPN: Featuring security typically only found in wired corporate routers and costing thousands more, the WC300 features IPSec-based VPN client w/DES, 3DES, AES and Stateful Packet Inspection Firewall to ensure data is safe and secure, providing highly granular security. The built-in 3DES and AES encryption-capable VPN client and server software eliminates the need to configure individual devices

Built-in WiFi: Line of site connectivity through Wi-Fi 802.11a/b/g access point for easy-access to first responders, on-site school / district officials, etc.

Easy Cellular Access: Easily upgraded as new and faster technologies become available, the WC300 requires no additional software or configuration for use with the RoadRunner™ standard RASplus™ or ViSS™ software suites.



System Diagram



Models / Supported Aircards:

Model No:	Type Supported:
RR-WC300A	Aircard 595
RR-WC300B	Aircard 881,880,875,EC360
RR-WC300C	Aircard 850,860
RR-WC300D	Novatel EX720,V740

For the latest update of supported aircards, go to:
www.avt-usa.com

NOTE: Air card and monthly service is not supplied by Apollo Video and must be arranged through a local provider



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Hardware Specifications

POWER

12 VDC - 120 ma max
 2.1 mm jack (positive center pin)
 Consumption: 5W (typical), 9W (max)

INPUTS / OUTPUTS

10/100 Mbps Ethernet LAN switch ports (4)
 10/100 Mbps Ethernet WAN port (1)
 SMA Reverse Polarity Male WiFi 802.11a/b/g antenna connector
 (antenna included) (1)
 Bulkhead antenna connector hole (external pigtail antenna
 connector) (1)

PC-CARD MODEMS SUPPORTED

CDMA: EV-DO Rev A, Rev O, 1xRTT
 GSM: HSDPA, HSUPA, EDGE, GPRS
 WCDMA: UMTS

WIRELESS LAN

IEEE 802.11a/b/g compliant access point built-in
 64/128/152 bit EWP encryption
 MAC Filtering
 IEEE 802.1x (EAP-MD5/TLS/TTLS/PEAP)
 WPA/WPA-PSD/WPA2/WPA2-PSK
 Configurable power output (70mw max)

POWER

12 VDC - 1200 ma max
 2.1 mm jack (positive center pin)
 Consumption: 5W (typical), 8W (max)

GENERAL

Dimensions: 8.69" x 1.25" x 5.38" (WxHxD)
 w/ Card Guard: 11.25" x 1.25" x 5.38" (WxHxD)
 Weight: 2.4lbs
 Operating Temp: -22°F to 140°F (-30°C to 60°C)
 Operating Humidity: 0% to 92% (Non-condensing)
 Certifications: EMC: FCC Part 15 Class B, CE-EMC Class B,
 C-Tick Class B, VCCI Class B
 Safety: CSA International, CE EN60950-1 (UL60950-1,
 CSA60950-1, EN60950-1, IEC60950-1)
 Green Product, RoHS compliant
 Warranty: 1 Year



Software Specifications

VIRTUAL PRIVATE NETWORKS

IPSec-compliant VPN
 5 Simultaneous VPN connections
 DES, 3DES, AES encryption
 Local User Database or RADIUS server for Extended Authentication
 LAN-Cell Initiated/terminated IPSec VPNs & VPN client pass-through
 IPSec NAT Traversal + Keep-alive packet support
 Redundant VPN connection (VPN HA)
 Manual key, IKE and PKI (X.509)
 Wizard based VPN set up
 Interoperable with standard IPSec-based VPN products (e.g. Cisco,
 SonicWall, Juniper, WatchGuard, NetScreen, etc.)

FIREWALL

Stateful Packet Inspection (SPI) firewall
 Packet Filter
 Denial of Service protection
 Attack, Alerts & Logs
 Access Control by type of service

SECURITY & CERTIFICATES

Digital Certificates - X.509, PKCS#7 & PKCS#12
 Local and Remote Certificate Authority

IP & ROUTING

DHCP client & server
 Multi-NAT / SUA / port translation & port-forwarding
 IP Routing: UDP, TCP, ICMP, ARP, RIPV1 and RIPV2
 IP Multicast
 Programmable static routes
 Policy-based routing & traffic shaping
 Application level priority for bandwidth sensitive applications
 such as VoIP

DEVICE MANAGEMENT

Web-based configuration utility (HTTP or HTTPS)
 Terminal-based configuration utility (TelNet or SSH)
 User upgradable firmware via LAN, WAN or serial & over-the air cellular
 Command line interface for advanced configuration
 Remote management from LAN & WAN
 Detailed event logging & packet tracing w/ Syslog & E-Mail log/alert support
 SNMP support

Items Included

Cellular router unit, Card-Guard modular card protection cover,
 Ethernet cable, WiFi antenna, Mounting hardware, Cable ties for
 Card-Lock, Instruction Manual, PC-Card Adapter (if required)

Features and specifications are subject to change without notice

