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 transit 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, HSUPA, HSDPA, UMTS, EDGE & GRPS 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 transit 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:

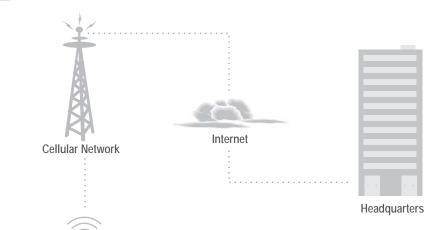| Model No:	Type Supported:
RR-WC300A	Aircard 595
RR-WC300B	Aircard 881,880,875,EC360
RR-WC300C	Aircard 850,860
RR-WC300D	Novatel EX720,V740

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

Cellular Network

Internet

Headquarters

RoadRunner™ **DVR** and
WC300 **Cellular Router** On-Board

802.11

First Responders / Transit Officials

Apollo
Apollo Video Technology

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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

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

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 managment from LAN & WAN
Detailed event logging & packet tracing w/ Syslog & E-Mail log/alert support
SNMP support

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