



The RoadRunner WC340 Wireless Mobile Router features an LTE-Advanced Cellular Modem, and 802.11AC (WAVE2) Wi-Fi for LAN and WWAN Networks.

The router enables easy viewing access, live video streaming, and access for searching and downloading recorded video.



## HIGH PERFORMANCE

- Powered by Cradlepoint™, the 4G/LTE and 802.11ac (WAVE2) router features the latest LTE-Advanced Modem (600Mbps throughput) which enables live streaming of higher resolution video over cellular networks
- Dual band Wi-Fi (2.4/5GHz), and Dual SIM with auto-carrier switching for more robust network cellular coverage
- Included Expansion Dock supports future cellular modem upgradability, increases availability and bandwidth
- Concurrent AP and client (WWAN) mode to support multiple ways to connect to onboard systems wirelessly without the need for additional hardware
- High speed performance is ideal for real time video streaming and downloading of video and fleet data supporting fleet-wide management

## RUGGED AND RELIABLE

- Manufactured specifically for harsh, mobile environments, the WC340 features a compact, rugged design and is MIL-SPEC 810D and SAE J1455 rated for impact, shock, vibration and temperature extremes

## EASILY MANAGED

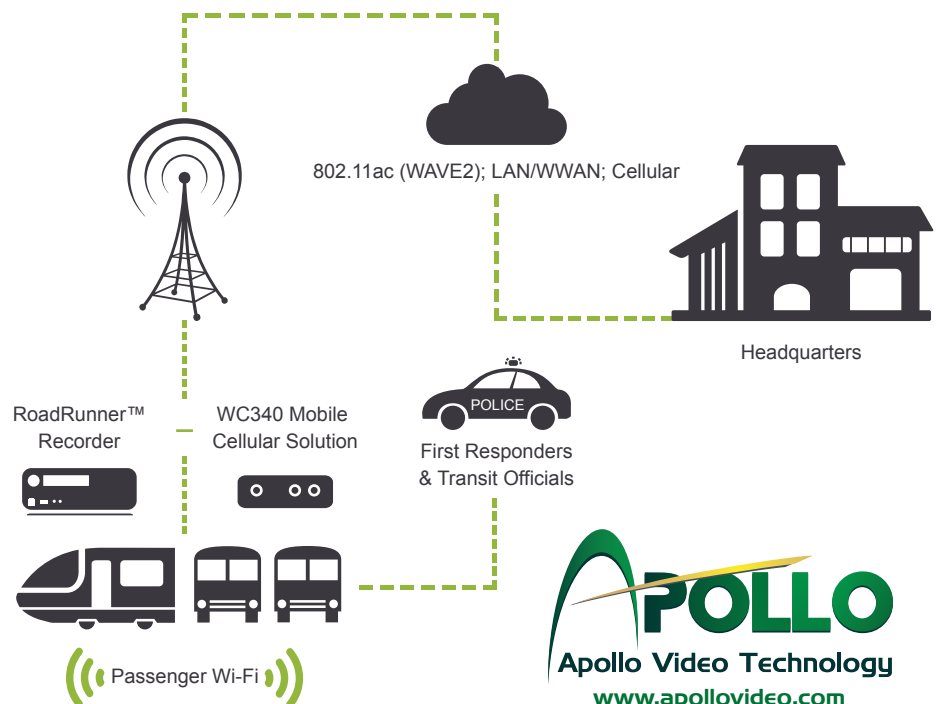
- Web-based management (local and remote); tablet-friendly GUI
- Configuration backup and restore; firmware upgrade and downgrade
- SNMP support; Syslog support; Ping, ARPing, and trace-route utilities

## OPTIMIZED FOR USE WITH THE ROADRUNNER SYSTEM

- Configured for mobile applications, the WC340 is packaged with an omni-directional IP-67 Multiband 5-in-1 Cell/Wi-Fi/GPS roof mount antenna and ruggedized cabling for seamless connectivity and video transmission

- High-end security features include Stateful packet inspection (SPI) firewall; anti-DoS and anti-spoofing protection; L2 / L3 / L4 ACL filtering; Static DHCP and static ARP IP-MAC binding; DMZ and port forwarding (virtual server); RADIUS and TACACS+ support, 802.1x authentication; Certificate support; ALGs; MAC Address Filtering; Zone-Based Object Firewall with host address (IP or FQDN), port, and mac address

## Enterprise-Class Routing and Security





## Hardware Specifications

### Inputs / Outputs

- 2-10/100 Mbps Ethernet LAN switch ports
- 2-10/100/1000 Mbps Ethernet Switchable LAN/WAN ports
- 2-SMA reverse polarity female Wi-Fi 802.11 b/g/n wireless antenna connectors
- 2-SMA female bulkhead cellular antenna connectors
- 1-user-accessible USB 2.0 for 3G/4G modems
- 1-4-pin microfit power jack

## Software Specifications

### Cellular WAN Management

- Auto fail over routing between Ethernet and Wi-Fi interfaces (user selectable routing priority)
- Auto-connect on demand, or stay connected 24/7 with “always-on” feature
- ICMP heartbeat (ping continuity) monitor ensures persistent cellular connections
- Configurable load balancing between WAN interfaces
- MAC address access control list
- Bandwidth utilization and bandwidth throttling-controls

### Device Management

- Web-based management (local and remote)
- Tablet-friendly GUI
- Configuration backup and restore
- Firmware upgrade and downgrade
- SNMP support and Syslog support
- Real-time login
- Scheduled system restarts
- Ping, ARPing, trace-route utilities

### Cellular Interfaces

- Embedded LTE-Advanced 600 Mbps Modem
- DC-HSPA+ Fallback

### Wi-Fi Interfaces

- 802.11a/b/g/n/ac (WAVE 2); 2x2 MIMO
- Access Point/Client/WWAN
- LAN and WAN interface (AP + client)
- WPS, WDS and WMM
- Two isolated SSIDs
- WPA, WPA2, WPA-PSK, WEP 64/128-bit, 802.1x security
- Maximum output power: Up to 320 mW

### VPNs

- VPN over 3G/4G and Ethernet interfaces
- IPSec server and client modes
- 32 simultaneous VPN connections (IPSec)
- DES, 3DES, AES encryption
- SHA1/MD5 VPN authentication
- Dead Peer Detection (DPD)
- Router initiated/terminated IPSec VPNs and client pass-through VPN support
- IPSec NAT Traversal + keep-alive packet support
- Interoperable with standard IPSec-based VPN products (Cisco, SonicWall, Juniper, WatchGuard, NetScreen, etc.)
- PPTP server and client modes (32 simultaneous clients)
- MS-CHAPv2 & MPPE 128-bit security

### Firewall

- Stateful Packet Inspection (SPI) firewall
- Anti-DoS and anti-spoofing protection
- L2 / L3 / L4 ACL filtering
- Static DHCP and static ARP IP-MAC binding
- DMZ and port forwarding (virtual server)

### General

- Power consumption: 5W (typical) to 18W (max)
- Power supply: 9~33 VDC (and low voltage shutoff)
- Dimensions (WxHxD): 5.75" x 2.25" x 4.75"
- Weight: 0.875 lb
- Operating temperature: -22°F to 158°F (-30°C to 70°C)
- Operating humidity: 5%-95% (non-condensing)
- Enclosure: Metal
- IP54, Shock/Vib/Humidity MIL STD 810G & SAEJ1455

### IP and Routing

- LAN DHCP server, cache, proxy server, and relay
- WAN DHCP, static IP, PPPoE, WiFi client
- WAN fail-over detection limits and controls
- WAN load balancing (Ethernet + USB)
- Static Routing
- L3 / L4 IP/Port policy-based routing
- Port-forwarding and port-translation
- VLAN support
- Spanning tree protocol support
- Dynamics DNS (DynDNS, NoIP, TZO, etc.)
- Permanent DNS address
- Bandwidth management and throughput optimization
- Content filtering (OpenDNS)
- NTP time service support

## Connectivity

The WC340 solution includes an omni-directional IP-67 Multiband 5-in-1 Cell/Wi-Fi/GPS roof mount antenna for superior performance. Equipped with four Ethernet Ports (two switchable 10/100/1000 LAN/WAN & two 10/100 LAN Ethernet ports), the WC340 supports up to four onboard, physically network connected devices and cellular connection.

Compatible with all RoadRunner™ Series Mobile Recorders

RoadRunner™

RoadRunner HD™

Model Number

RR-WC340

RR-HDWC340

Features and Specifications are Subject to Change without Notice  
v1.0/0718

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