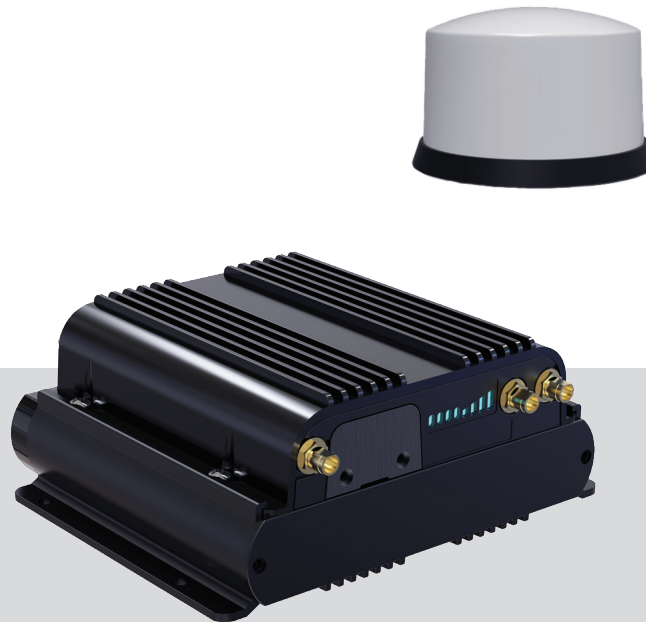# ROADRUNNER™ CELLULAR ROUTER

ON–BOARD VIDEO SECURITY SYSTEM

FEATURES

- LTE-Advanced Modem (600Mbps throughput) Enables Live Streaming of Higher Resolution Video over a Cellular Network
- Cellular Modem Dock for Dual Modem Functionality or Future Upgradeability
- Enterprise Class Routing and Security in Mobile Applications
- Dual-band Wi-Fi (2.4/5GHz) and Dual SIM with Auto-Carrier Switching for Robust Network Cellular Coverage
- Includes Multiband 5-in-1 Cell/Wi-Fi/GPS Roof Mount Antenna

EASILY MANAGED

The RoadRunner WC340 Router features web-based management software that is user-friendly and supports local and remote access. Backup is easily configurable to protect data.

RUGGED AND RELIABLE

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

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ROADRUNNER™ CELLULAR ROUTER

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TECHNICAL DATA

Product Ordering Information	
Part/Model Number (N. America)	RR-HDWC340 (RoadRunner HD/4K) RR-WC340 (RoadRunner AHD)
Electrical Properties	
Operating Voltage	9-33 VDC
Power Consumption	5 W (Typical) to 18 W (Max)
Interfaces	
Ethernet	2, LAN/WAN Switchable 10/100/1000 Gigabit Ethernet Ports- 1 Default WAN 2, 10/100 Ethernet Port (Modem Expansion Dock)
USB	1, USB 2.0
Mechanical Properties	
Dimensions	146.05 mm x 57.15 mm x 120.65 mm, 5.75 in x 2.25 in x 4.75 in
Weight	0.4 kg, 0.875 lbs
Environment	
Operating Temperature	-30°C to 70°C, -22°F to 158°F
Relative Humidity	5% - 95% (Non-Condensing)
Ingress Protection	IP54 Router, IP67 Antenna
Standards	
ISO 7637-2	✓
SAE J1455	✓
MIL-Spec 810G	✓
Approvals	
FCC	✓
CE	✓
Cellular Interface	
	Embedded LTE-Advanced 600 Mbps Modem & DC-HSPA+ Fallback
Carriers	
	All North American Carriers, European, Asia Pacific & Saudi Arabia Operators
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, WMM; Two Isolated SSIDs WPA, WPA2, WPA-PSK, WEP 64/128-bit, 802.1x Security
Inputs/Outputs	
	2, 10/100 Mbps Ethernet LAN Ports 2, 10/100/1000 Mbps Ethernet Switchable LAN/WAN Ports 2, RP-SMA Female Wi-Fi Antenna Connectors 1, SMA Female GPS Antenna Connector 2, SMA Female Cellular Antenna Connectors 2, Full Size (1FF) SIM Card Slots 1, User-Accessible USB 2.0 for 3G/4G Modems 1, 4-pin Microfit Power Jack

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TECHNICAL DATA

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 to Ensure Persistent Cellular Connections
	Configurable Load Balancing Between WAN Interfaces
	MAC Address Access Control List
	Bandwidth Utilization / Bandwidth Throttling Controls
	Cradlepoint - Enterprise Cloud Manager™
	Web UI, API, CLI
	SNMP
	SMS Control Serial
	Redirector
	Syslog
	2.4/5GHz Wi-Fi-as-WAN / Client Mode

VPN & Routing	
	VPN over 3G/4G and Ethernet Interfaces IPSec Server and Client Modes
	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
	Inter-Operable with Standard IPSec-Based VPN Products (e.g. Cisco, SonicWall, Juniper, WatchGuard, NetScreen, etc.)
	PPTP Server and Client Modes (32 Simultaneous Clients)
	MS-CHAPv2 & MPPE 128 Bit Security
	IPsec Tunnel – Up to 10 Concurrent Sessions
	L2TP
	GRE Tunnel OSPF/BGP/RIP
	Route Filters (Access Control Lists, Prefix Filters, Route Maps, Communities for BGP)
	Pre-Interface Routing NAT-less Routing
	Virtual Server/Port Forwarding
	NEMO/DMNR
	IPv6, VRRP, STP, NHRP
	VTI Tunnel Support
	OpenVPN Support
	CP Secure VPN Compatible Serial PAD Mode

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)
	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

Features and specifications are subject to change without notice. May 2020.

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TECHNICAL DATA

IP and Routing	
	LAN DHCP Server, Cache, Proxy Server, and Relay
	WAN DHCP, Static IP, PPPoE, Wi-Fi 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
	Dynamic DNS (DynDNS, NoIP, TZO, etc.)
	Permanent DNS Address
	Bandwidth Management and Throughput Optimization
	Content Filtering (OpenDNS), NTP Time Service Support

Device Management	
	Web-Based Management (Local and Remote)
	Tablet-Friendly GUI
	Configuration Backup and Restore
	Firmware Upgrde and Downgrade
	SNMP Support
	Syslog Support
	Real-Time Login
	Scheduled System Restarts
	Ping, ARPing, and Trace-Route Utilities

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