



# AirLink® RV50 Industrial LTE Gateway

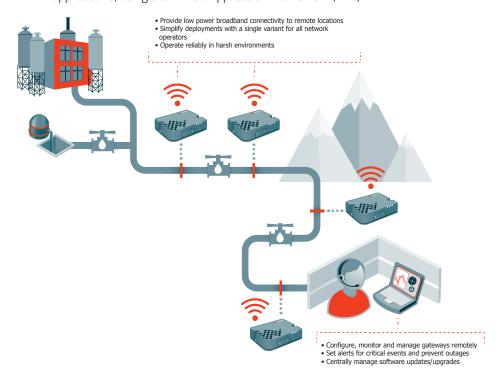
#### **FEATURES**

- LTE performance at 2G power consumption (less than 1W in idle mode)
- State-of-the-art LTE coverage spanning 21 LTE frequency bands worldwide
- Two product variants cover the globe
- Fully automatic network operator switching: just insert the SIM
- Provides network connectivity via Ethernet, Serial and USB
- Remote configuration, software update, and monitoring with cloud-based AirLink Management Service (ALMS) or on-premises with AirLink Mobility Manager (AMM)
- Dual-SIM functionality to enable automatic failover between SIMs (CANADA/EMEA/APAC)
- Meets industrial-grade certifications including Class 1 Div 2, MIL-STD-810G, IP64 ingress protection
- Supports up to 5 VPN tunnels for secure cellular communications
- Events Engine for alert reporting to third party server platforms
- Application Framework (AAF)
   offers real-time onboard data
   processing; RV50X's dual core processor provides added
   performance for advanced edge
   computing applications.
- GPS for tracking equipment

# Industrial Grade, LTE-Advanced Performance, Low Power

The AirLink RV50 is the industry's lowest power and most rugged LTE gateway. Simple to install and easy to manage, this industrial-grade gateway is designed to connect critical assets and infrastructure. Ideal for energy, utilities and smartcity applications, the RV50 provides real-time remote connectivity for SCADA, distribution management systems and metering.

With the lowest power consumption available on the market, the RV50 dramatically reduces infrastructure costs when running on battery or solar power. The RV50X variant supports an extensive range of LTE bands worldwide, and its LTE-Advanced capabilities deliver up to 300 Mbps downlink speeds. For deployments in areas with limited LTE coverage, the RV50 provides fallback to 2G and 3G networks. Furthermore, the RV50 provides programmability to enable edge computing applications, using the ALEOS Application Framework (AAF).





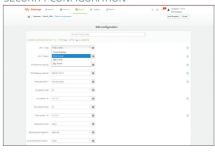
#### DASHBOARD



#### MONITOR CONNECTIVITY



#### **SECURITY CONFIGURATION**



#### SOFTWARE UPGRADES/UPDATES



#### RUGGED DESIGN FOR DEMANDING ENVIRONMENTS

The RV50 is designed to withstand harsh industrial conditions, and is capable of surviving 5 V brownouts and spikes from -600 VDC to 200 VDC.

Certified as Class I Div 2, it is ideal for hazardous environments. The die cast aluminum housing is sealed to meet IP64 for resistance to dust and water ingress.

The RV50 is tested to meet and exceed the MIL-STD-810G specification for shock, vibration, temperature and humidity. The built-in power supply protection make it suitable for harsh electrical environments such as compressors, generators, and excavators.

### **ULTRA-LOW POWER CONSUMPTION**

The RV50 offers best-in-class power consumption combined with LTE performance, and is optimized for battery and solar applications. It is the industry's only LTE gateway with 2G power consumption, operating at 900 mW in idle mode. For 2G and 3G deployments migrating to LTE, the RV50 will work with existing power infrastructure, eliminating the need to invest in replacement solar panels or batteries. Standby Mode provides additional protection for batteries by dropping power consumption to 53 mW, and can be triggered by timers, low voltage detection or I/O.

#### SIMPLIFIED DEPLOYMENT

The RV50 automatically configures the radio based on the SIM, which provides versatility and simplicity when changing operator networks.

Ideal for global deployments, the RV50X provides worldwide LTE coverage with just two product variants; one for North America and EMEA, and one for Asia-Pacific.

#### **BEST-IN-CLASS REMOTE MANAGEMENT**

Network Management solutions for the RV50 allow over-the-air registration, configuration and software updates, and can be deployed either as a cloud-based service, or as a licensed software platform in the enterprise data center. Both options provide a centralized and remote view of an entire fleet and enable simplified management, control and monitoring of connected RV50s and critical infrastructure.

AirLink Management Service (ALMS) is a secure, centralized cloud-based service that remotely monitors and manages signal strength, network technology and location. ALMS provides dashboards with up-to-date views of an entire deployment, and custom alerts to monitor and report critical events, to increase efficiency and prevent downtime.

AirLink Mobility Manager (AMM) is a licensed, unified software platform which can



## AirLink RV50 Industrial LTE Gateway Datasheet

be deployed in the enterprise data center, and provides a consolidated network view of an entire fleet, using a virtual dashboard to monitor, report, manage, and troubleshoot all mobile resources as required.

#### **BENEFITS**

- Provides LTE broadband connectivity to remote locations and in harsh environments
- Ultra-low power consumption, ideal for solar or battery powered installations
- Maximizes longevity of deployed equipment and protects investments with LTE
- Improves ROI by supporting multiple network operators without additional hardware costs
- Powerful remote management solutions
- Built-in, class-leading voltage transient protection provides superior reliability and continuous operation
- Proven reliability and over 2 million AirLink routers and gateways deployed
- Industry leading warranty includes support, software updates and advance replacement

#### **INSTANT INTEGRATION**

The RV50 is designed to install directly into existing infrastructure. Offering both serial and Ethernet connectivity, it can be used to connect devices like PLCs and RTUs, and transmit a wide variety of protocols like Modbus/DNP3 with ease. RV50 can also be integrated directly into existing management systems via SNMP.

#### INTELLIGENCE AT THE EDGE

The RV50 provides an application framework which allows customers to apply intelligence at the edge of the network. The RV50X offers a dual core processor which enhances the performance of edge applications.

#### SECURE INDUSTRIAL COMMUNICATIONS

The RV50 supports secure communications to multiple back-end systems by providing up to five concurrent VPN sessions. Remote authentication management allows enterprise-grade systems to manage access to devices in the field. Port filtering and trusted IP protect the devices connected to RV50s from unwanted access. Secure signing and authentication of software images offers end-to-end protection of the software upgrade process, protecting the RV50 against unwanted malware.

|                                   | RV50   |   | RV50X  |  |
|-----------------------------------|--|---|--|--|
|                                   | North America  | International   | North America & EMEA   | Asia Pacific   |
| LTE CATEGORY                      | Cat 3  |   | Cat 6  |  |
| Peak D/L                          | (Up to 100 Mbps DL)  |   | (Up to 300 Mbps DL)  |  |
| Peak U/L                          | (Up to 50 Mbps UL)   |   | (Up to 50 Mbps UL)   |  |
| 4G LTE Frequency Bands*           | 1900(B2), AWS(B4),<br>850(B5), 700(B13), 700(B17),<br>1900(B25)          | 2100(B1), 1800(B3), 2600(B7),<br>900(B8),<br>800(B20) | 2100(B1), 1900(B2), 1800(B3), AWS(B4),<br>850(B5), 2600(B7), 900(B8), 700(B12),<br>700(B13), 800(B20), 1900(B25), 850(B26),<br>700(B29), TDD B41 | 2100(B1), 1800(B3), 850(B5),<br>2600(B7), 900(B8), 850(B18),<br>850(B19), 1500(B21), 700(B28), TDD<br>38, TDD 39, TDD 40, TDD 41 |
| 3G HSPA/HSPA+<br>Frequency Bands* | 2100(B1), 1900(B2), AWS(B4),<br>850(B5), 900(B8)                         | 2100(B1), 1900(B2), 850(B5),<br>900(B8)               | 2100(B1), 1900(B2), 1800(B3), AWS(B4),<br>850(B5), 900(B8)   | 2100(B1), 850(B5),<br>800(B6),<br>900(B8), 1700(B9), 850(B19),   |
| 3G TD-SCDMA  Frequency Bands*     |  |   |  | B39  |
| 2G CDMA 1XRTT/EV-DO<br>REV 1      |  |   |  |  |
| Frequency Bands*                  | 2100(B1), 1900(B2), AWS(B4),<br>850(B5), 900(B8)                         |   |  |  |
| 2G EDGE/GSM/GPRS                  |  |   |  |  |
| Frequency Bands*                  | Quad-band  | Quad-band   |  |  |
| APPROVALS                         | l  |   |  |  |
| Regulary                          | FCC, IC, PTCRB   | CE, RCM, GCF, R&TTE                                   | FCC, IC, PTCRB, R&TTE, GCF, CE   | RCM, JRF/JPA   |
| Carrier                           | Verizon, AT&T, Sprint, T-Mobile USA,<br>US Cellular, Rogers, Bell, Telus |   | Verizon, AT&T, T-Mobile USA<br>Other Major carriers pending  | Telstra  |

<sup>\*</sup>For carrier specific band support please refer to the hardware user guide.



| STELLITE NAVIGATION   12 CAMPAIGN   12 CAM   |                          | Specification  |                            | Specification                                      |
|--|--------------------------|--|----------------------------|--|
| SECURIOR   SAME Anterior Commany, Questing, QES    Security   And QUESTION   Security   And QUESTION   Active OF Security   Active Of Secur   | HOST INTERFACES          | 10/100/1000 Ethernet (RJ45)  | SATELLITE NAVIGATION       | 12 Channel GPS and GLONASS Receiver                |
| 3.5MA enterms commercus (grimany, diversity, GPS) Active GPS anterma support  Configurable (P Opin on sopport  Depti Input (P Opin on Souther) depti a shiring 500 mA  Depti Input (P Opin on Souther) depti a shiring 500 mA  Analog (Input (P Opin on Souther) depti a shiring 500 mA  DEPTI (P Opin on Souther) depti a shiring 500 mA  DEPTI (P Opin on Souther) depti a shiring 500 mA  DEPTI (P Opin on Souther) depti a shiring 500 mA  DEPTI (P Opin on Souther) depti a shiring 500 mA  Analog (Input (P Opin on Souther) depti a shiring 500 mA  Analog (Input (P Opin on Souther) depti a shiring 500 mA  DEPTI (P Opin on Souther) depti a shiri |                          | RS-232 serial port (DB-9)  | (GNSS)                     | Acquisition Time: 1 s Hot Start                    |
| Active OFS anterma support  Configurable I/O pin in power connector  - Digital riport ON Mortage 2-7 to 36 VOC  - Digital riport ON Mortage 2-7 to 36 VOC  - Digital Open Collector Output - swining SOO mA  - Analog Input 05-36 VOC  - DISTANCE OF Provided P |                          | USB 2.0 Micro-B Connector  |                            | Accuracy: <2 m (50%), <5 m (90%)                   |
| ACING PERS INTERIOR SUPPORT  Configurable I/D pan or propore commentor  Configurable propore |                          | 3 SMA antenna connectors (primary, diversity, GPS)   |                            | Tracking Sensitivity: -145 dBm                     |
| Configurable NO pin in prover connector   Description (1997) to 1997 t |                          | Active GPS antenna support   |                            | Reports: NMEA 0183 V3.0, TAIP, RAP, XORA           |
| Digital Imput ON Workings: 2,7 to 38 VIC Configurable Multiple (Configurable Multiple (Con  | INDUT/OUTDUT             |  |                            | Multiple Redundant Servers                         |
| - Configurable Pull-up for dy contact input - Digital Open Collects Or Dupts - sorking 500 mA - Analog input 0-5-36 VIV.  INDIVIDUAL - Sorking input 0-5-36 VIV.  INDI | INFOITOOTFOI             |  |                            | Reliable Store and Forward                         |
| LAN (ETHERNET/USD)  DNS, DNS Proxy  Dove the air and local Ethernet content to prove the air and local Ethernet content on Dove the air and local Ethernet content to Dove the Board on United Proximation (INDAP, PADIUS and TACACS+)  DNS Draw Proximation  |                          | Configurable Pull-up for dry contact input   | NETWORK                    | Secure network management applications             |
| Elect wide firmware upgrade cellevery   Elect wide firmware upgrade election   Elect wide firmware upgrade election   Elect wide firmware upgrade   Elect wide firmw   |                          |  | IVIANAGEIVIENT             |  |
| DIFF. Short Provide THERME 17/JSSI)  DIFF. Short Provided The Short Provided Passifrough  UAN  Host Interface Watchding  PREDICT TO PASSIFROUGH  TO PASSIFROUG |                          | - Analog input: 0.3-30 VBC   |                            | •  |
| DHCP Server IP PRASTITURING IP | LAN (ETHERNET/USB)       | DNS, DNS Proxy   |                            | · -  |
| IP Passthrough   VLAN   Host Interface Watchdog   PPDPG    SERIAL   TCP/UDP PAD Mode   Configuration Templates   Configuration Templates   |                          | DHCP Server  |                            |  |
| VLAN   Host Interface Watchdog   PPOE   Configuration Templates   Co   |                          | IP Passthrough   |                            |  |
| Host Interface Watchdog PPPOE  TCPUIDP PAD Mode Modbus (ASCU, RTU, Varable) PPP Interoperability  NETWORK AND ROUTING Network Address Translation (NAT) Port Forwarding Host Port Indusing NETWORK AND ROUTING ROU |                          | VLAN   |                            | •  |
| SERIAL TCP/UDP PAD Mode Modbus (ASCIL, RTU, Variable) ppp DPD NoP3 interoperability NETWORK AND ROUTING NETWORK AND ROUTING NETWORK AND ROUTING NEWORK ARD ROUTING NEWORK ARD ROUTING NEWORK AND ROUTING NEW POWER NEW COMMAND NEW COMMAND NEW POWER NEW COMMAND N |                          | _  |                            |  |
| Models (MCELL) PAR Mode Models (MCELL) RTILL, Variable) ppp DNB3 interoperabity  NETWORK AND ROUTING Network Address Translation (NAT) Port Forwarding Host Durk Routing NEMO/DMNR VRRP Reliable Static Route Dynamic DNS Perc, CRE, and OpenVPN Client Up to 5 concurrent tunnels Split Tunnel Dead Peer Detection (IVPD) Multiple Subnets Custom event riggers and reports Configurable interface, no programming Event Types. Digital plus, Network Parameters Data Usage, Timer, Power, Device Temperature and Voltage Report Types. RP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV)  DIMENSIONS 119 mm x 36 mm x 85 mm (94 mm including connectors) 4,69 in x 1.34 in x 3.35 in (3.70 in including connectors) 4,69 in x 1.34 in x 3.35 in (3.70 in including connectors) LUX Scripting Language FINING PROSS Application Framework (IARF) LUX Scripting Language Ectipse-based IDE Integrated with AirVantage®  ARCESS/SECURITY  MANAGEMENT SYSTEM ANAMAGEMENT SYSTEM ACCOMPANIES SAME AND ANAMAGEMENT SYSTEM ACCOMPANIES SAME AND ANAMAGEMENT SYSTEM ACCOMPANIES SAME AND ANAMAGEMENT SYSTEM ACCOMPANIES ANAMAGEMENT SYSTEM ACCOMPANIES ANAMAGEMENT SYSTEM ACCOMPANIES AT AGAIN AND ACCOMPANIES AND ANAMAGEMENT SYSTEM ACCOMPANIES SAME AND ANAMAGEMENT SAME AND ACCOMPANIES AND ACCOMPANIES AND ACCOMPANIES SAME AND ACCOMPANIES AND ACCOMPAN |                          |  |                            |  |
| DIME Interoperability  NETWORK AND ROUTING  NETWORK AND ROUTING  Network Address Translation (NAT)  Port Forwarding  Hots Part Routing  NEMO/DMNR  VERP  Reliable Static Route  Dynamic DNS  Peec, GRE, and Open/DN Client  Up to 5 concurrent tunnels  Split Tunnel  Dead Peer Detection (DPD)  Multiple Subnets  EVENTS ENGINE  Custom event triggers and reports  Configurable interface, no programming  Event Types: Digital Input, Network Parameters, Data Usage, Temp-Power, Device Temperature and Voltage  Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV)  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors)  4,69 in x 1,34 in x 3.35 in (3.70 in including connectors)  ALEOS Application Framework (AAF)  DIMZ  RAPPLICATION)  ALEOS Application Framework (AAF)  LUA Scripting Language  LICE Tigger Address Temperature and Included Support  ALEOS Application Framework (AAF)  LUA Scripting Language  Integrated with Air/Vantage®  INTERRALES  Local web user interface  AT Command Lie Interface (Flenet/SSH/Serial)  SMMP  AANACEMENT SYSTEM  Remote authentication (LDAP, RADIUS and TACACS+)  DWRR  Input Voltage 7 to 36 VDC  Input Voltage 7 to 36 VDC  Standby Mode Power 53 mW (44 nm (2 12 VDC) triggered on 1 low voltage disconnect to prevent battery drain  Bull-in protection against voltage 12 voltage transients including 5 VDC  engine craining and +200 VDC Load dump  Input Voltage 7 to 36 VDC  Configurable fleatures and ports to portinize to on 1 low voltage disconnect to prevent battery drain  Bull-in protection against voltage transients including 5 VDC  engine craining and +200 VDC Load dump  Input Voltage 7 to 36 VDC  Care fleatures and ports to prevent battery drain  Bull-in protection against voltage transients including 5 VDC  engine craining and +200 VDC Load dump  Input Voltage 7 to 36 VDC  I | SERIAL                   | TCP/UDP PAD Mode   |                            | applicable)  |
| DNP3 interoperability  NETWORK AND ROUTING  Network Address Translation (NAT) Port Forwarding Host Port Routing NEMO/DMNR VPRP Reliable Static Route Dynamic Chief Plesc, GRE, and Open/PN Client Up to 5 concurrent tunnels Split Tunnel Dead Peer Detection (DPD) Multiple Subnets Configurable interface, no programming Event Types. Digital Input, Network Parameters, Data Usage, Time, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV) EVENT SIGNIS  DIME NSIONS  119 mm x34 mm x85 mm (94 mm including connectors) Lindual and Outbound Port filtering Inbound and Outbound Port filtering Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Timering Language LUA Scripting Language LUA Scripting Language LUA Scripting Language LUA Scripting Language Integrated with Arl Vantage® Integrated with Arl Vantage®  AT Commanda Ms SMS Commands SMS Commands SMS Commands SMMP AACESS/SECURITY Remote authentication (ILDAP, RADIUS, TACACS+) SMMP AACAGdress Timering APPLICATION Remote Authentication (LDAP, RADIUS, TACACS+) PAPPLICATION ALEOS Application Framework (AAF) LUA Scripting Language LUA Scripting Language Integrated with Arl Vantage®  |                          |  | GATEWAY MANAGEMENT         |  |
| Network Address Translation (NAT)   Pour Forwarding   Pour Forwarding   Host Port Routing   NEMO/DMNR   NEMO/DMN   |                          |  | INTERNACES                 |  |
| Port Forwarding Host Port Routing Host Port Host Route URRP Reliable Static Route Dynamic DNS Peec, GRE, and Open/PN Client Up to 5 concurrent tunnels Split Tunnel Dead Peer Detection (DPD) Multiple Subnets Configurable interface, no programming Configurable interface, no programming Event Types. Digital lingut. Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output DIMENSIONS 119 mm x34 mm x85 mm (94 mm including connectors) 4,69 in x 1.34 in x 3.35 in (3.70 in including connectors) DIMENSIONS 119 mm x34 mm x85 mm (94 mm including connectors) A69 in x 1.34 in x 3.35 in (3.70 in including connectors) Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering Inbound and Outbound Trusted IP MAC Address Filtering Inbound and Outbound Trusted IP MAC Address Filtering LUA Scripting Language LIA Scripting Langu |                          | , ,  |                            |  |
| Host Port Routing NEMO/DMRR VRPR Reliable Static Route Dynamic DNS  Peec, GRE, and OpenVPN Client Up to 5 concurrent tunnels Split Tunnel Dead Peer Detection (ICPD) Multiple Subnets  EVENTS ENGINE  EVENTS ENGINE  EVENTS ENGINE  EVENTS ENGINE  Custom event triggers and reports Configurable interface, no programming Event Types. Digital Input. Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types. RPM, Sfm. and IJ, SNMP Trap, TCP (Binary, XML, CSV) EVENT At mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors) Inbound and Outbound Port filtering Inbound and Outbound Port filtering Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering POIL Compatible  APPLICATION FEAMEWORK  APPLICATION FEAMEWORK  Integrated with AirVantage®  MANAGEMENT SYSTEM ACCESS/SECURITY  Remote authentication (LDAP, RADIUS, and TACACCs+) DIM AIR MANAgement Security CIE Idle Power 900mW (75 mA @ 12VDC) SECURITY  Remote Authentication (LDAP, RADIUS on The Management Security on the online with a filter of the Management Security on the male shock, and humidity ON Poil Trusted IP MAC Address Filtering Inbound and Outbound Trusted IP MAC Address Filtering Inbound and Outbound Framework (AAF) LUA Scripting Language PCI compatible  APPLICATION Integrated with AirVantage®  POIL Cattribus Type Independent Trusted IP MAC Address Filtering Integrated with AirVantage®  POIL Cattribus Type Independent Type Security IT A province Trusted IP MARAMETER  APPLICATION Integrated with AirVantage®  POIL Cattribus Type Integrated Airdress Replacement available through participating resellers  POIL Cattribus Type Integrated with AirVantage®  POIL Cattribus Type Integrated with AirVantage®  POIL Cattribus Type Integrated Airdress Replacement available through participating resellers  | NETWORK AND ROUTING      |  |                            |  |
| NEMO/DMNR VIRRP VIRRP VIRRP Reliable Static Route Dynamic DNS  IPsec, GRE, and OpenVPN Client Up to 5 concurrent tunnels Split Tunnel Dead Peer Detection (DPD) Multiple Subnets  Configurable interface, no programming EVENTS ENGINE  Custom event triggers and reports Configurable interface, no programming EVENT SENGINE  Custom event triggers and reports Configurable interface, no programming EVENT SENGINE  Custom event triggers and reports Configurable interface, no programming EVENT SENGINE  Custom event triggers and reports Configurable interface, no programming EVENT SENGINE  Custom event triggers and reports Configurable interface, no programming EVENT SENGINE  Custom event triggers and reports Configurable interface, no programming ENVIRONMENTAL  Operating Temperature: ~40° to +70° C′ /~40° F to +158° F Fower, Device Temperature and Voltage Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors)  4.69 in x 1.34 in x 3.35 in (3.70 in including connectors)  A69 in x 1.34 in x 3.35 in (3.70 in including connectors)  MIX Inbound and Outbound Port filtering Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  APPLICATION  ALEOS Application Framework (AAF) LUA Scripting Language Environmental: Entherial Support 1-day Accelerated Hardware Replacement available through participating resellers   |                          | S  |                            | SNMP   |
| VRRP Reliable Static Route Poymamic DNS  VPN  IPSec, GRE, and OpenVPN Client Up to 5 concurrent tunnels Split Tunnel Dead Peer Detection (DPD) Multiple Subnets Configurable interface, no programming Event Types: Digital Input, Metwork Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors) A 6.99 in x 134 in x 3.35 in (3.70 in including connectors) Inbound and Outbound Port filtering Inbound And Outbou  |                          | 5  | MANAGEMENT SYSTEM          | Remote authentication (LDAP, RADIUS and TACACS+)   |
| Reliable Static Route Dynamic DNS Dynamic DNS  IPsec, GRE, and OpenVPN Client Up to 5 concurrent tunnels Split Tunnel Dead Peer Detection (DPD) Multiple Subnets  Custom event triggers and reports Configurable interface, no programming Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SMMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors) DMZ Inbound and Outbound Port filtering PCI compatible  APPLICATION ALEOS Application Framework (AAF) LUA Scripting Language Eclipse-based IDE Integrated with AirVantage®  IPOWER Input Volage: 70 as 40, 12 VIDC) Standby Mode Power: 53 mW (4.4 m& (0) 12 VDC) triggered on low voltage, I/O or periodic timer Low voltage, I/O or periodic timer Low voltage disconnect to prevent battery drain Built-in protection against voltage transients including 5 VDC engine cranking and +200 VDC (16 and tump Built-in protection against voltage transients including 5 VDC engine cranking and +200 VDC (16 and dump Built-in protection against voltage transients including 5 VDC engine cranking and +200 VDC (16 and dump Built-in protection against voltage transients including 5 VDC engine cranking and +200 VDC (16 and dump Built-in protection against voltage transients including 5 VDC engine cranking and +200 VDC (16 and dump Built-in protection against voltage transients including 5 VDC engine cranking and +200 VDC (16 and dump Built-in protection against voltage transients including 5 VDC engine cranking and +200 VDC (16 and dump Built-in protection against voltage transients including 5 VDC engine cranking and +200 VDC (16 and dump Built-in protection against voltage transients including 5 VDC engine cranking and +200 VDC (16 and dump including 15 VDC engine cranking and +200 |                          |  | ACCESSISECURITI            |  |
| Dynamic DNS    Piece, GRE, and OpenVPN Client   Standby Mode Powers 53 mW (4.4 mA @ 12 VDC) triggered on low voltage, I/O or periodic timer   Low voltage, I/O  |                          |  | POWER                      | • •  |
| Psec, GRE, and OpenVPN Client   Up to 5 concurrent tunnels   Split Tunnel   Dead Peer Detection (DPD)   Multiple Subnets   Configurable interface, no programming   Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage   Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV)   Event Actions: Drive Relay Output   DIMENSIONS   Sector Actions: Drive Relay Output   DMZ   Inbound and Outbound Port filtering   Inbound and Outbound Port filtering   Inbound and Outbound Port filtering   PC compatible   ALEOS Application Framework (AAF)   LUA Scripting Language   Eclipse-based IDE   Integrated with Air/Vantage®   Eclipse-based IDE   Integrated with Air/Vantage®   Capital Scripting Language   Capital Capi   |                          |  |                            |  |
| Up to 5 concurrent tunnels Split Tunnel Dead Peer Detection (DPD) Multiple Subnets  EVENTS ENGINE  Custom event triggers and reports Configurable interface, no programming Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV) EVENT Serior Spive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors) MAC Address Filtering Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible AEPULCATION  AEPULCATION  ALEOS Application Framework (AAF) LUA Scripting Language Eclipse-based IDE Integrated with AirVantage®  Low voltage disconnect to prevent battery drain Built-in protection against voltage rensients including 5 VOC engine cranking and +200 VDC load dump (burne) engine cranking and +200 VDC load dump (pignition Sense with time delay shutdown Configurable features and ports to optimize power consumption  Configurable features and ports to optimize power consumption  Division Sense with time delay shutdown Configurable features and ports to optimize power consumption  Division Sense with time delay shutdown Configurable features and ports to optimize power consumption  Division Sense with time delay shutdown Configurable features and ports to optimize power consumption  Division Sense with time delay shutdown Configurable features and ports to optimize power consumption  Division Sense with time delay shutdown Configurable features and ports to optimize power consumption  ENVIRONMENTAL  Configurable features and ports to optimize power consumption  Consumption  Configurable features and ports to optimize power consumption  Confi  | VPN                      |  |                            | ,            |
| Split Tunnel Dead Peer Detection (DPD) Multiple Subnets  Custom event triggers and reports Configurable interface, no programming Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) A.69 in x 1.34 in x 3.35 in (3.70 in including connectors) DMZ Inbound and Outbound Port filtering Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering MAC Address Filtering PCI compatible AED Application Framework (AAF) LUA Scripting Language Eclipse-based IDE Integrated with AirVantage®  Built-in protection against voltage engine cranking and +200 VDC load dump (and +200 VDC load dump (per filtering to split the medical payint of configurable features and ports to optimize power consumption  Configurable features and ports to optimize power consumption.  Configurable features and ports to opti |                          |  |                            |  |
| Dead Peer Detection (DPD) Multiple Subnets  Custom event triggers and reports Configurable interface, no programming Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4,69 in x 1.34 in x 3.35 in (3.70 in including connectors)  SECURITY  Remote Authentication (LDAP, RADIUS, TACACS+) Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible MAC Address Filtering PCI compatible Eclipse-based IDE Integrated with AirVantage®  ENVIRONMENTAL  Direction Sense with time delay shutdown Configurable features and ports to optimize power consumption  Devator Configurable features and ports to optimize power consumption  Devator Configurable features and ports to optimize power consumption  Devator Configurable features and ports to optimize power consumption  Devator Configurable features and ports to optimize power consumption  Devator Configurable features and ports to optimize power consumption  Devator Configurable features and ports to optimize power consumption  Devator Configurable features and ports to optimize power consumption  Devator Configurable features and ports to optimize power consumption  Divisions Intervelve (BNDMENTAL)  Divisions Relative Figures (PMPC Conformance to 40°C to +70°C / -40°F to +158°F  Storage Temperature: -40°C to +70°C / -40°F to +158°F  Storage Temperature: -40°C to +70°C / -40°F to +158°F  Storage Temperature: -40°C to +70°C / -40°F to +158°F  Humidity: 90% RH @ 60°C  Military Spec MIL-STD-810G conformance to shock, vibration, thermal shock, and humidity  P64 rated ingress protection  NIDUSTRY  CERTIFICATIONS  Safety: IECEE Certification Bodies Scheme (CB Scheme), UL 60°550  UL 60°550  UL 60°550  Vehicle Usage: E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE 11455 (Shock & Vibration)  Hazardous Environments: Class 1 Div 2   |                          | •  |                            | . ,  |
| Multiple Subnets  Custom event triggers and reports Configurable interface, no programming Configurable interface, no programming Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output 119 mm x 34 mm x 85 mm (94 mm including connectors) 4,69 in x 1.34 in x 3.35 in (3.70 in including connectors) DMZ Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible ALEOS Application Framework (AAF) LUA Scripting Language Eclipse-based IDE Integrated with Air/Vantage®  ENVIRONMENTAL Configurable features and ports to optimize power consumption  Deperating Temperature: -40°C to +70°C / -40°F to +188°F Environmental: Configurable features and ports to optimize power consumption  Diperature: -40°C to +70°C / -40°F to +188°F Humidity: 90°R HQ 60°C Humidi |                          | •  |                            | engine cranking and +200 VDC load dump             |
| Custom event triggers and reports Configurable interface, no programming Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SMMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors) DMZ Remote Authentication (LDAP, RADIUS, TACACS+) DMZ Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  ALEOS Application Framework (AAF) LUA Scripting Language Eclipse-based IDE Integrated with AirVantage®  Custom event triggers and reports to optimize power consumption Operating Temperature: -40°C to +85°C / -40°F to +188°F Storage Temperature: -40°C to +85°C / -40°F to +188°F Storage Temperature: -40°C to +85°C / -40°F to +188°F Humidity: 90% RH @ 60°C Military Spec MIL-STD-8106 conformance to shock, wibration, thermal shock, and humidity IP64 rated ingress protection  INDUSTRY CERTIFICATIONS  SECURITY Sefty: IECE certification Bodies Scheme (CB Scheme), UL 60950 Vehicle Usage: E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE 11455 (Shock & Vibration) Hazardous Environments: Class 1 Div 2 Environmental: RoHS, REACH, WEEE  Includes 1st Year AirLink Complete:  ALEOS Application Framework (AAF)  LUA Scripting Language  Eclipse-based IDE Integrated with AirVantage®  |                          | Multiple Subnets   |                            | Ignition Sense with time delay shutdown            |
| Configurable interface, no programming Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SMMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors)  DMZ Remote Authentication (LDAP, RADIUS, TACACS+) DMZ Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  APPLICATION APPLICATION Ecentral Service (ALMS) PCI compatible ALEOS Application Framework (AAF) LUA Scripting Language Eclipse-based IDE Integrated with Air/Vantage®  ENVIRONMENTAL Operating Temperature: -40°C to +70°C / -40°F to +185°F Storage Temperature: -40°C to +85°C / -40°F to +185°F Humidity: 90% RH (06°C Military Spec MIL-STD-810G conformance to shock, vibration, thermal shock, and humidity IP64 rated ingress protection  Military Spec MIL-STD-810G conformance to shock, vibration, thermal shock, and humidity IP64 rated ingress protection  INDUSTRY CERTIFICATIONS UL 60950 Vehicle Usage: E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE J1455 (Shock & Vibration) Hazardous Environments: Class 1 Div 2 Environmental: RoHS, REACH, WEEE  Includes 1st Year AirLink Complete: AirLink Management Service (ALMS)  * AirLink Management Service (ALMS)  * Direct 24/7 Technical Support  * 3-year standard warranty; optional 2-year warranty extension  1-day Accelerated Hardware Replacement available through participating resellers  | EVENTS ENGINE            | Custom event triggers and reports  |                            |  |
| Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors)  DMZ Remote Authentication (LDAP, RADIUS, TACACS+) DMZ Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  APPLICATION FRAMEWORK  APPLICATION Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Oevice Temperature: -40° C to +85° C / -40° F to +185° F Humidity: 90% RH @ 60° C Military Spec MIL-5TD-810G conformance to shock, vibration, thermal shock, and humidity IP64 rated ingress protection  INDUSTRY CERTIFICATIONS  Safety: IECEE Certification Bodies Scheme (CB Scheme), UL 60950 Vehicle Usage: E-Mark (UN ECE Regulation 10.04), IS07637-2; SAE J1455 (Shock & Vibration) Hazardous Environments: Class 1 Div 2 Environmental: RoHS, REACH, WEEE  Includes 1st Year AirLink Complete:  AirLink Management Service (ALMS) PCI compatible  ALEOS Application Framework (AAF) LUA Scripting Language Eclipse-based IDE Integrated with AirVantage®  Storage Temperature: -40° C to +85° C / -40° F to +185° F Humidity: 90% RH @ 60° C Military Spec MIL-5TD-810G conformance to shock, vibration, thermal shock, and humidity Vibration, |                          | Configurable interface, no programming   | ENVIRONMENTAL              |  |
| Timer, Power, Device Temperature and Voltage Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV) Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors)  MEROSIONS  110 mm x 34 mm x 85 mm (94 mm including connectors)  4.69 in x 1.34 in x 3.35 in (3.70 in including connectors)  DIMENSIONS  SECURITY  Remote Authentication (LDAP, RADIUS, TACACS+) DMZ Inbound and Outbound Port filtering Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  ALEOS Application Framework (AAF) LUA Scripting Language Eclipse-based IDE Integrated with Air Vantage®  Find Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, wibration, thermal shock, and humidity in the shock, wibration, thermal shock, and humidity Military Spec MIL-STD-810G conformance to shock, vibration, thermal shock, and humidity Military Spec MIL-STD-810G conformance to shock, vibration, thermal shock, and humidity IP64 rated ingress protection  Safety: IECEE Certification Bodies Scheme (CB Scheme), UL 60950 Vehicle Usage: E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE J1455 (Shock & Vibration) Hazardous Environments: Class 1 Div 2 Environmental: ROHS, REACH, WEEE Includes 1st Year AirLink Complete: AirLink Management Service (ALMS)  Direct 24/7 Technical Support  3-year standard warranty; optional 2-year warranty extension  1-day Accelerated Hardware Replacement available through participating resellers   |                          | Event Types: Digital Input, Network Parameters, Data Usage,  | EIGHT OHNIELUM E           |  |
| CSV) Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors)  DMZ Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  APPLICATION FRAMEWORK  ACSV)  Event Actions: Drive Relay Output  INDUSTRY CERTIFICATIONS  Safety: IECEE Certification Bodies Scheme (CB Scheme), UL 60950  Vehicle Usage: E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE J1455 (Shock & Vibration) Hazardous Environments: Class 1 Div 2 Environmental: RoHS, REACH, WEEE  Includes 1st Year AirLink Complete:  AIrLink Management Service (ALMS)  Direct 24/7 Technical Support  3 -year standard warranty; optional 2-year warranty extension  1-day Accelerated Hardware Replacement available through participating resellers   |                          |  |                            |  |
| Event Actions: Drive Relay Output  DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors)  SECURITY  Remote Authentication (LDAP, RADIUS, TACACS+) DMZ Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  APPLICATION  APPLICATION  APPLICATION  APPLICATION  Event Actions: Drive Relay Output  IP64 rated ingress protection  IRDUSTRY CERTIFICATIONS  UL 60950  Vehicle Usage: E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE J1455 (Shock & Vibration)  Hazardous Environments: Class 1 Div 2  Environmental: ROHS, REACH, WEEE  Includes 1st Year AirLink Complete:  AirLink Management Service (ALMS)  PCI compatible  ALEOS Application Framework (AAF) LUA Scripting Language  Eclipse-based IDE Integrated with AirVantage®  Integrated with AirVantage®   |                          |  |                            | Military Spec MIL-STD-810G conformance to shock,   |
| DIMENSIONS  119 mm x 34 mm x 85 mm (94 mm including connectors) 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors)  Remote Authentication (LDAP, RADIUS, TACACS+) DMZ Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  APPLICATION  APPLICATION  APPLICATION  APPLICATION  APPLICATION  APPLICATION  APPLICATION  Eclipse-based IDE Integrated with AirVantage®  INDUSTRY CERTIFICATIONS  INDUSTRY CERTIFICATIONS  Safety: IECEE Certification Bodies Scheme (CB Scheme), UL 60950  Vehicle Usage: E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE J1455 (Shock & Vibration) Hazardous Environments: Class 1 Div 2 Environmental: RoHS, REACH, WEEE  Includes 1st Year AirLink Complete:  AirLink Management Service (ALMS)  Direct 24/7 Technical Support  3 -year standard warranty; optional 2 -year warranty extension  1-day Accelerated Hardware Replacement available through participating resellers   |                          | , and the second |                            |  |
| 4.69 in x 1.34 in x 3.35 in (3.70 in including connectors)  Remote Authentication (LDAP, RADIUS, TACACS+)  DMZ  Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  APPLICATION  APPLICATION  APPLICATION  FRAMEWORK  Eclipse-based IDE Integrated with AirVantage®  A69 in x 1.34 in x 3.35 in (3.70 in including connectors)  UL 60950  Vehicle Usage: E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE J1455 (Shock & Vibration)  Hazardous Environments: Class 1 Div 2  Environmental: ROHS, REACH, WEEE  Includes 1st Year AirLink Complete:  AirLink Management Service (ALMS)  Direct 24/7 Technical Support  3 -year standard warranty; optional 2-year warranty extension  1-day Accelerated Hardware Replacement available through participating resellers   |                          |  |                            | IP64 rated ingress protection                      |
| SECURITY  Remote Authentication (LDAP, RADIUS, TACACS+) DMZ Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible APPLICATION FRAMEWORK  ALEOS Application Framework (AAF) LUA Scripting Language Eclipse-based IDE Integrated with AirVantage®  ASSITIVE 3.35 III (3.70 III Inteluding turineticity) Vehicle Usage: E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE J1455 (Shock & Vibration) Hazardous Environments: Class 1 Div 2 Environmental: RoHS, REACH, WEEE Includes 1st Year AirLink Complete: AirLink Management Service (ALMS)  Direct 24/7 Technical Support  3 -year standard warranty; optional 2-year warranty extension  1 -day Accelerated Hardware Replacement available through participating resellers   | DIMENSIONS               | · · · · · ·  | INDUSTRY<br>CERTIFICATIONS |  |
| ISO7637-2, SAE J1455 (Shock & Vibration)  DMZ Inbound and Outbound Port filtering Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  APPLICATION FRAMEWORK  Eclipse-based IDE Integrated with AirVantage®  Refinite Autherint Autherint Autherint (SOF), FRACH, WEEE  Inbound and Outbound Trusted IP WARRANTY  Includes 1st Year AirLink Complete: AirLink Management Service (ALMS)  Direct 24/7 Technical Support  3 -year standard warranty; optional 2-year warranty extension  1-day Accelerated Hardware Replacement available through participating resellers   |                          |  | ezittii ie, tiiotts        | •  |
| Inbound and Outbound Port filtering Inbound and Outbound Trusted IP Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  APPLICATION FRAMEWORK Eclipse-based IDE Integrated with AirVantage®  Inbound and Outbound Trusted IP WARRANTY  SUPPORT AND WARRANTY Includes 1st Year AirLink Complete: AirLink Management Service (ALMS)  Direct 24/7 Technical Support  3 -year standard warranty; optional 2-year warranty extension  1-day Accelerated Hardware Replacement available through participating resellers  | SECURITY                 |  |                            |  |
| Inbound and Outbound Trusted IP MAC Address Filtering PCI compatible  APPLICATION FRAMEWORK FILD Eclipse-based IDE Integrated with AirVantage®  Includes 1st Year AirLink Complete:  • AirLink Management Service (ALMS) • Direct 24/7 Technical Support  • 3-year standard warranty; optional 2-year warranty extension  1-day Accelerated Hardware Replacement available through participating resellers   |                          | DMZ  |                            | Hazardous Environments: Class 1 Div 2              |
| MAC Address Filtering PCI compatible  ALEOS Application Framework (AAF) LUA Scripting Language Eclipse-based IDE Integrated with AirVantage®  MARRANTY  AIrLink Management Service (ALMS)  Direct 24/7 Technical Support  3 -year standard warranty; optional 2-year warranty extension  1-day Accelerated Hardware Replacement available through participating resellers  |                          | _  |                            | Environmental: RoHS, REACH, WEEE                   |
| PCI compatible  PCI compatible  ALEOS Application Framework (AAF)  LUA Scripting Language  Eclipse-based IDE  Integrated with AirVantage®  PCI compatible  Direct 24/7 Technical Support  3 -year standard warranty; optional 2-year warranty extension  1 -day Accelerated Hardware Replacement available through participating resellers   |                          |  | SUPPORT AND                | Includes 1st Year AirLink Complete:                |
| APPLICATION FRAMEWORK  ALEOS Application Framework (AAF)  LUA Scripting Language  Eclipse-based IDE  Integrated with AirVantage®  ALEOS Application Framework (AAF)  • 3-year standard warranty; optional 2-year warranty  extension  1-day Accelerated Hardware Replacement available through participating resellers   |                          | MAC Address Filtering  | WARRANTY                   | AirLink Management Service (ALMS)                  |
| Eclipse-based IDE  Integrated with AirVantage®  Extension  1-day Accelerated Hardware Replacement available through participating resellers  |                          | PCI compatible   |                            | Direct 24/7 Technical Support                      |
| Eclipse-based IDE  Integrated with AirVantage®  Extension  1-day Accelerated Hardware Replacement available through participating resellers  | APPLICATION<br>FRAMEWORK | ALEOS Application Framework (AAF)  |                            | 3-year standard warranty; optional 2-year warranty |
| Integrated with AirVantage® participating resellers  | TAMEVOIN                 | LUA Scripting Language   |                            |  |
| Integrated with AirVantage®  |                          | Eclipse-based IDE  |                            |  |
| Dual-Core Processing (RV50X)   |                          | Integrated with AirVantage®  |                            | paracipaning resences                              |
|  |                          | Dual-Core Processing (RV50X)   |                            |  |

#### **About Sierra Wireless**

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is an IoT pioneer, empowering businesses and industries to transform and thrive in the connected economy. Customers Start with Sierra because we offer a device-to-cloud solution, comprised of embedded and networking solutions seamlessly integrated with our IoT services. OEMs and enterprises worldwide rely on our expertise in delivering fully integrated solutions to reduce complexity, turn data into intelligence and get their connected products and services to market faster. Sierra Wireless has more than 1,400 employees globally and operates R&D centers in North America, Europe and Asia.



