



| | XR90 | XR80 | MG90/MG90 5G |
|--|---|---|---|
| TECHNOLOGY SUPPORTED | 5G, LTE CAT 20, LPWA | 5G, LTE CAT 20, LPWA | 5G, LTE-A Pro, LTE-A, HSPA+ |
| MAX CELLULAR SPEED (DL/UL MBPS) | 5G – Up to 4.14 Gbps DL/660 Mbps UL 4G LTE CAT 20 – Up to 2 Gbps DL/210 Mbps UL | 5G – Up to 4.14 Gbps DL/660 Mbps UL 4G LTE CAT 20 – Up to 2 Gbps DL/210 Mbps UL | 5G: 2/1 Gbps 600/150 Mbps LTE-A: 300/50 Mbps |
| APPROVED CARRIERS* | BT, Verizon, AT&T/FirstNet and T-Mobile | BT, Verizon, AT&T/FirstNet and T-Mobile | Verizon, AT&T/FirstNet, T-Mobile, Southern Linc, Rogers, Telus, Bell |
| NAVIGATION | 48 Channel Dedicated Assisted GNSS with Inertial Dead Reckoning | 48 Channel Dedicated Assisted GNSS with Inertial Dead Reckoning | 48 Channel Dedicated GNSS with Inertial Dead Reckoning |
| HOST INTERFACE | Single 5G – 4 RJ-45 Ethernet ports (1x5 Gbps, 3x1 Gbps) Dual 5G – 5 RJ-45 Ethernet ports (1x5 Gbps, 4x1 Gbps) 2 USB 3.2 type-C port 1 RS-232 serial port (RJ-45 connector) 1 Aux Port (GPIO/CAN) | Single 5G – 3 RJ-45 Ethernet ports (1x5 Gbps with PTP IEEE 1588, 2x1 Gbps) Dual 5G – 4 RJ-45 Ethernet ports (1x5 Gbps with PTP IEEE 1588, 4x1 Gbps) 2 USB 3.2 type-C port 1 RS-232 serial port (RJ-45 connector) 1 Aux Port (GPIO/CAN) | 5 Ethernet (10/100/1000) 1 Serial (RS232) 2 USB 3.0 5 GPIO 1 Bluetooth |
| SIM SLOT (2FF) | 2 | 2 | 4 |
| WI-FI | Dual 4x4 MIMO Wi-Fi 6 802.11 b/g/n/ac/ax 4 SSIDs | Single 4x5 MIMO Wi-Fi 6 802.11 b/g/n/ac/ax 4 SSIDs | Dual Radio 2.4/5GHz 802.11 b/g/n/ac 3x3 MIMO 4 SSIDs |
| WI-FI CLIENTS/ SECURITY | 128 Clients WPA2/3 Enterprise | 128 Clients WPA2/3 Enterprise | 128 clients WPA2-Personal/Enterprise |
| SECURITY | FIPS 140-2 (compatible) Stateful firewall with port forwarding, DMZ MAC Address filtering AAA (802.1x/RADIUS) AAA: 802.1x/Radius authentication with Wi-Fi and Ethernet Secure Firmware Update | FIPS 140-2 (compatible) Stateful firewall with port forwarding, DMZ MAC Address filtering AAA (802.1x/RADIUS) AAA: 802.1x/Radius authentication with Wi-Fi and Ethernet Secure Firmware Update | FIPS 140-2 (compatible), Port filtering AAA (802.1x/RADIUS) MAC Address filtering |
| VPN | Integrated with ACM VPN Server IPsec protocol with IKEv1/IKEv2 FIPS 140-2 Encryption: AES128/AES192/AES256 Hashing: SHA256/SHA384/SHA512 Key Exchange: DHGroup14/15/16/17/18/19/20/21 LAN to LAN and Host to LAN Up to 10 concurrent tunnels per link MOBIKE protocol IP compression Full/Split Tunnel Dead Peer Detection (DPD) | Integrated with ACM VPN Server IPsec protocol with IKEv1/IKEv2 FIPS 140-2 Encryption: AES128/AES192/AES256 Hashing: SHA256/SHA384/SHA512 Key Exchange: DHGroup14/15/16/17/18/19/20/21 LAN to LAN and Host to LAN Up to 10 concurrent tunnels per link MOBIKE protocol IP compression Full/Split Tunnel Dead Peer Detection (DPD) | IPSec: IKEv1/IKEv2 Split/full tunnel, MOBIKE 10 concurrent tunnels Dead Peer Detection |
| INDUSTRY STANDARD | Environmental | MIL-810G/IP64 | MIL-810G/IP64 |
| | Vehicle / Rail Usage, Industrial | Safety: IECCE Certification Bodies Scheme (CB Scheme), UL 60950 Vehicle Usage: E-Mark (72/245/EEC, 2009/19/EC), ISO7637-2, SAE J1455 (Shock & Vibration) Environmental: RoHS2, REACH, WEEE Rail Usage: EN50155 (Rolling Stock) Industrial: C1D2 | Safety: IECCE Certification Bodies Scheme (CB Scheme), UL 60950 Vehicle Usage: E-Mark (72/245/EEC, 2009/19/EC), ISO7637-2, SAE J1455 (Shock & Vibration) Environmental: RoHS2, REACH, WEEE Rail Usage: EN50155 (Rolling Stock) Industrial: C1D2 |
| AIRLINK MOBILITY MANAGER | No | No | Yes |
| AIRLINK MANAGEMENT SERVICE | Yes | Yes | No |
| CUSTOMER SUPPORT | AirLink Premium | AirLink Complete | AirLink Support |
| OPERATIONAL VOLTAGE | 7-36VDC | 7-36VDC | 7-36VDC |
| OPERATING TEMPERATURE | -30°C to +70°C | -30°C to +70°C | -30°C to +70°C |
| ENCLOSURE | Die-cast aluminium | Die-cast aluminium | Die-cast aluminium |
| OPTIONAL UPGRADES | Dual cellular radios | Dual cellular radios | OBD-II/1939/1708 (with Scanner Kit) |
| DIMENSIONS | Dual Radio 267 mm x 186 mm x 53 mm 10.51" x 6.69" x 2.08" | 170 mm x 186 mm x 53 mm 6.69" x 7.32" x 2.08" | 272 mm x 220 mm x 60 mm 10.71" x 8.66" x 2.36" |
| WARRANTY | 1 year standard warranty with up to 5 years extended warranty. View specifications on our website. | 1 year standard warranty with up to 5 years extended warranty. View specifications on our website. | 1 year standard warranty with up to 5 years extended warranty. View specifications on our website. |
| MORE INFORMATION | sierrawireless.com/xr90 | sierrawireless.com/xr80 | sierrawireless.com/mg90 |



| | MP70 | RV55 | RV50X |
|--|---|---|---|
| TECHNOLOGY SUPPORTED | LTE-A Pro, LTE-A, HSPA+ | LTE-A Pro, HSPA+ | LTE-A, HSPA+ |
| MAX CELLULAR SPEED (DL/UL MBPS) | 600/150 Mbps 300/50 Mbps | 600/150 Mbps | 300/50 Mbps |
| APPROVED CARRIERS* | Verizon, AT&T/FirstNet, T-Mobile, Southern Linc, Rogers, Telus, Bell, Telstra | Verizon, AT&T/FirstNet | Verizon, AT&T, T-Mobile, Rogers, SaskTel, Telstra, Telus |
| NAVIGATION | 48 Channel Dedicated GNSS with Inertial Dead Reckoning | 30 Channel GNSS | 30 Channel GNSS |
| HOST INTERFACE | 4 Ethernet (10/100/1000) 1 Serial (RS232) 1 USB 2.0 (micro) 5 GPIO 1 OBD-II/J1939 (Direct Vehicle CAN Interface) | 1 Ethernet (10/100/1000) 2 Serial (RS232) with accessory cable 1 USB 2.0 (micro) 1 GPIO | 1 Ethernet (10/100/1000) 1 Serial (RS232) 1 USB 2.0 (micro) 1 GPIO |
| SIM SLOT (2FF) | 2 | 2 | 2 |
| WI-FI | 2.4/5GHz (Optional) 802.11b/g/n/ac 3x3 MIMO 4 SSIDs | Dual Radio, 2.4/5GHz (Optional) 802.11 b/g/n/ac 1x1 SISO 1 SSID per radio | N/A |
| WI-FI CLIENTS/ SECURITY | 128 clients WPA2-Personal/Enterprise | 10 clients per radio WPA2 Personal/Enterprise | N/A |
| SECURITY | FIPS 140-2 (compatible), Port filtering, IP whitelist, AAA (LDAP, RADIUS, TACACS+) MAC Address filtering Secure Firmware Update | FIPS 140-2 (compatible), Port filtering, IP whitelist, AAA (LDAP, RADIUS, TACACS+) MAC Address filtering Secure Firmware Update | FIPS 140-2 (compatible), Port filtering, IP whitelist, AAA (LDAP, RADIUS, TACACS+) MAC Address filtering Secure Firmware Update |
| VPN | IPSec: IKEv1/IKEv2, Split/full tunnel, MOBIKE, OpenVPN, GRE Tunnel, Split Tunnel, VPN failover 5 concurrent tunnels Dead Peer Detection | IPSec: IKEv1/IKEv2, Split/full tunnel, MOBIKE, OpenVPN, GRE Tunnel, Split Tunnel, VPN failover 5 concurrent tunnels Dead Peer Detection | IPSec: IKEv1/IKEv2, Split/full tunnel, MOBIKE, OpenVPN, GRE Tunnel, Split Tunnel, VPN failover 5 concurrent tunnels Dead Peer Detection |
| INDUSTRY STANDARD | Environment | MIL-810G/IP64 | MIL-810G/IP64 |
| | Vehicle / Rail Usage, Industrial | E-Mark, SAE J1455, ISO7637-2, EN50155 Industrial: Class 1 Div 2 | E-Mark, SAE J1455, ISO7637-2, EN50155 Industrial: Class 1 Div 2 |
| AIRLINK MOBILITY MANAGER | Yes | Yes | Yes |
| AIRLINK MANAGEMENT SERVICE | Yes | Yes | Yes |
| CUSTOMER SUPPORT | AirLink Complete | AirLink Complete | AirLink Complete |
| OPERATIONAL VOLTAGE | 7-36VDC | 7-36VDC | 7-36VDC |
| OPERATING TEMPERATURE | -30°C to +70°C | -30°C to +70°C | -40°C to +70°C |
| ENCLOSURE | Die-cast aluminium | Die-cast aluminium | Die-cast aluminium |
| OPTIONAL UPGRADES | Wi-Fi OBD-II/J1939 Direct Vehicle Bus Cable | Dual Wi-Fi Dual Serial (Y cable) | N/A |
| DIMENSIONS | 190 mm x 105 mm x 45 mm 7.48" x 4.13" x 1.77" | 119 mm x 85 mm x 33 mm 4.69" x 3.35" x 1.34" | 119 mm x 85 mm x 34 mm 4.68" x 3.34" x 1.34" |
| WARRANTY | 1 year standard warranty with up to 5 years extended warranty. View specifications on our website. | 1 year standard warranty with up to 5 years extended warranty. View specifications on our website. | 1 year standard warranty with up to 5 years extended warranty. View specifications on our website. |
| MORE INFORMATION | sierrawireless.com/mp70 | sierrawireless.com/rv55 | sierrawireless.com/rv50 |

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*All approvals are either granted or in progress. Call for the latest approval status.



| | | LX60 | LX40 |
|--|---|---|---|
| TECHNOLOGY SUPPORTED | | LTE, HSPA+ | LTE, HSPA+ |
| MAX CELLULAR SPEED (DL/UL MBPS) | | LTE: 150/50 | LTE: 150/50 |
| APPROVED CARRIERS* | | Verizon, AT&T | Verizon, AT&T/FirstNet |
| NAVIGATION | | 48 Channel Dedicated GNSS (Optional) | N/A |
| HOST INTERFACE | | 2 Ethernet (10/100/1000) 1 Serial (RS232/485) 1 USB 2.0 (micro) 5 GPIO | 1 Ethernet (10/100/1000) 1 USB 2.0 (Micro) 1 GPIO PoE - Powered Device |
| SIM SLOT (2FF) | | 1 | 1 |
| WI-FI | | 2.4/5GHz (Optional) 802.11b/g/n/ac 1x1 SISO 1 SSID | 2.4/5GHz (Optional) 802.11b/g/n/ac 1x1 SISO 1 SSID |
| WI-FI CLIENTS/ SECURITY | | 10 clients WPA2 Personal/Enterprise | 10 clients WPA2 Personal/ Enterprise |
| SECURITY | | FIPS 140-2 (compatible), Port filtering, IP whitelist AAA (LDAP, RADIUS, TACACS+) MAC Address filtering Secure Firmware Update | FIPS 140-2 (compatible), Port filtering, IP whitelist AAA (LDAP, RADIUS, TACACS+) MAC Address filtering Secure Firmware Update |
| VPN | | IPSec: IKEv1/IKEv2, Split/full tunnel, MOBIKE, OpenVPN, GRE Tunnel, Split Tunnel, VPN failover 5 concurrent tunnels Dead Peer Detection | IPSec: IKEv1/IKEv2, Split/full tunnel, MOBIKE, OpenVPN, GRE Tunnel, Split Tunnel, VPN failover 5 concurrent tunnels Dead Peer Detection |
| INDUSTRY STANDARD | Environment | MIL-810G/IP20 | MIL-810G/IP21 |
| | Vehicle / Rail Usage, Industrial | E-Mark, SAE J1455, ISO7637-2 Industrial: Class 1 Div 2 | E-Mark, SAE J1455, ISO7637-3 Industrial: Class 1 Div 2 |
| AIRLINK MOBILITY MANAGER | | Yes | Yes |
| AIRLINK MANAGEMENT SERVICE | | Yes | Yes |
| CUSTOMER SUPPORT | | AirLink Complete | AirLink Complete |
| OPERATIONAL VOLTAGE | | 7-36VDC | 7-36VDC, PoE - Powered Device |
| OPERATING TEMPERATURE | | -20°C to 65°C w/C1D2 0°C to +60°C | -30°C to +65°C |
| ENCLOSURE | | Polycarbonate | Polycarbonate |
| OPTIONAL UPGRADES | | Wi-Fi, GNSS | Wi-Fi |
| DIMENSIONS | | 146 mm x 100 mm x 42 mm 5.74" x 3.93" x 1.65" | 103 mm x 79 mm x 25 mm 4.1" x 3.1" x 1.0" |
| WARRANTY | | 1 year standard warranty with up to 5 years extended warranty. View specifications on our website. | 1 year standard warranty with up to 5 years extended warranty. View specifications on our website. |
| MORE INFORMATION | | sierrawireless.com/lx60 | sierrawireless.com/lx40 |

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