



	XR90	XR80
TECHNOLOGY SUPPORTED	5G, LTE CAT 20, LPWA	5G, LTE CAT 20, LPWA
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
APPROVED CARRIERS*	BT, Verizon, AT&T/FirstNet and T-Mobile	BT, Verizon, AT&T/FirstNet and T-Mobile
NAVIGATION	48 Channel Dedicated Assisted GNSS with Inertial Dead Reckoning	48 Channel Dedicated Assisted 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)
SIM SLOT (2FF)	2	2
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
WI-FI CLIENTS/ SECURITY	128 Clients WPA2/3 Enterprise	128 Clients WPA2/3 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
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)
INDUSTRY STANDARD	Environmental 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	MIL-810G/IP64 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
AIRLINK MANAGEMENT SERVICE	Yes	Yes
CUSTOMER SUPPORT	AirLink Premium	AirLink Complete
OPERATIONAL VOLTAGE	7-36VDC	7-36VDC
OPERATING TEMPERATURE	-30°C to +70°C	-30°C to +70°C
ENCLOSURE	Die-cast aluminium	Die-cast aluminium
OPTIONAL UPGRADES	Dual cellular radios	Dual cellular radios
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"
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/xr90	sierrawireless.com/xr80



	RX55	RV55	RV50X
TECHNOLOGY SUPPORTED	LTE-A, HSPA+	LTE-A Pro, HSPA+	LTE-A, HSPA+
MAX CELLULAR SPEED (DL/UL MBPS)	300/150 Mbps	LTE-A Pro: 600/150 Mbps LTE: 150/50 Mbps	300/50 Mbps
APPROVED CARRIERS*	Verizon, AT&T/FirstNet, T-Mobile	Verizon, AT&T/FirstNet, T-Mobile, Rogers, Bell, Telus, Telstra	Verizon, AT&T, T-Mobile, Rogers, SaskTel, Telstra, Telus
NAVIGATION	30 Channel GNSS	30 Channel GNSS	30 Channel GNSS
HOST INTERFACE	1 Ethernet (10/100/1000) 2 Serial (RS232) with accessory cable 1 CAN (RS232) with accessory cable 1 USB 2.0 (micro) 1 GPIO	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	Dual Radio, 2.4/5GHz (Optional) 802.11 b/g/n/ac 1x1 SISO 1 SSID per radio	Dual Radio, 2.4/5GHz (Optional) 802.11 b/g/n/ac 1x1 SISO 1 SSID per radio	N/A
WI-FI CLIENTS/ SECURITY	10 clients per radio WPA2/3 Personal/Enterprise	10 clients per radio WPA2 Personal/Enterprise	N/A
SECURITY	AAA: 802.1x /Radius authentication with Wi-Fi and Ethernet Firewall: Stateful firewall with port forwarding, DMZ WLAN Encryption: WPA2/3 Personal/Enterprise 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	Integrated with ACM VPN Server IPsec protocol with IKEv1/IKEv2 FIPS 140-2 Level 1 compliant	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	Environmental	MIL-810G/IP64	MIL-810G/IP64
	Vehicle / Rail Usage, Industrial	E-Mark, SAE J1455, ISO7637-2, EN50155 Industrial: Class 1 Div 2, IECEx/ATEX	E-Mark, SAE J1455, ISO7637-2, EN50155 Industrial: Class 1 Div 2, IECEx/ATEX
AIRLINK MOBILITY MANAGER	No	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	-40°C to +70°C -30°C to +70°C (Wi-Fi variant)	-40°C to +70°C -30°C to +70°C (Wi-Fi variant)	-40°C to +70°C
ENCLOSURE	Die-cast aluminium	Die-cast aluminium	Die-cast aluminium
OPTIONAL UPGRADES	Dual Wi-Fi Dual Serial (Y cable) CAN-Serial (Y cable)	Dual Wi-Fi Dual Serial (Y cable)	N/A
DIMENSIONS	119 mm x 33 mm x 85 mm 4.69" x 1.34" x 3.35"	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 with current AirLink Complete subscription.	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/rx55	sierrawireless.com/rv55	sierrawireless.com/rv50

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

5G

**MG90/MG90 5G****MP70**

TECHNOLOGY SUPPORTED	5G, LTE-A Pro, HSPA+	LTE-A Pro, HSPA+
MAX CELLULAR SPEED (DL/UL MBPS)	5G: 2/1 Gbps LTE-A Pro: 600/150 Mbps	600/150 Mbps
APPROVED CARRIERS*	Verizon, AT&T/FirstNet, T-Mobile, Southern Linc, Rogers, Telus, Bell	Verizon, AT&T/FirstNet, T-Mobile, Southern Linc, Rogers, Telus, Bell, Telstra
NAVIGATION	48 Channel Dedicated GNSS with Inertial Dead Reckoning	48 Channel Dedicated GNSS with Inertial Dead Reckoning
HOST INTERFACE	5 Ethernet (10/100/1000) 1 Serial (RS232) 2 USB 3.0 5 GPIO 1 Bluetooth	4 Ethernet (10/100/1000) 1 Serial (RS232) 1 USB 2.0 (micro) 5 GPIO 1 OBD-II/J1939 (Direct Vehicle CAN Interface)
SIM SLOT (2FF)	4	2
WI-FI	Dual Radio 2.4/5GHz 802.11 b/g/n/ac 3x3 MIMO 4 SSIDs	2.4/5GHz (Optional) 802.11b/g/n/ac 3x3 MIMO 4 SSIDs
WI-FI CLIENTS/ SECURITY	128 clients WPA2-Personal/Enterprise	128 clients WPA2-Personal/Enterprise
SECURITY	FIPS 140-2 (compatible), Port filtering AAA (802.1x/RADIUS) MAC Address filtering	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 10 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
	Vehicle / Rail Usage, Industrial	E-Mark, SAE J1455, ISO7637-2, EN50155
AIRLINK MOBILITY MANAGER	Yes	Yes
AIRLINK MANAGEMENT SERVICE	No	Yes
CUSTOMER SUPPORT	AirLink Support	AirLink Complete
OPERATIONAL VOLTAGE	7-36VDC	7-36VDC
OPERATING TEMPERATURE	-30°C to +70°C	-30°C to +70°C
ENCLOSURE	Die-cast aluminium	Die-cast aluminium
OPTIONAL UPGRADES	OBD-II/J1939/1708 (with Scanner Kit)	Wi-Fi OBD-II/J1939 Direct Vehicle Bus Cable
DIMENSIONS	272 mm x 220 mm x 60 mm 10.71" x 8.66" x 2.36"	190 mm x 105 mm x 45 mm 7.48" x 4.13" x 1.77"
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/mg90	sierrawireless.com/mp70

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		LX40	LX60
TECHNOLOGY SUPPORTED		LTE, HSPA+	LTE, HSPA+
MAX CELLULAR SPEED (DL/UL MBPS)		LTE: 150/50	LTE: 150/50
APPROVED CARRIERS*		Verizon, AT&T/FirstNet	Verizon, AT&T
NAVIGATION		N/A	48 Channel Dedicated GNSS (Optional)
HOST INTERFACE		1 Ethernet (10/100/1000) 1 USB 2.0 (Micro) 1 GPIO PoE - Powered Device	2 Ethernet (10/100/1000) 1 Serial (RS232/485) 1 USB 2.0 (micro) 5 GPIO
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/IP21	MIL-810G/IP20
	Vehicle / Rail Usage, Industrial	E-Mark, SAE J1455, ISO7637-3 Industrial: Class 1 Div 2	E-Mark, SAE J1455, ISO7637-2 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, PoE - Powered Device	7-36VDC
OPERATING TEMPERATURE		-30°C to +65°C	-20°C to 65°C w/C1D2 0°C to +60°C
ENCLOSURE		Polycarbonate	Polycarbonate
OPTIONAL UPGRADES		Wi-Fi	Wi-Fi & GNSS
DIMENSIONS		103 mm x 79 mm x 25 mm 4.1" x 3.1" x 1.0"	146 mm x 100 mm x 42 mm 5.74" x 3.93" x 1.65"
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/lx40	sierrawireless.com/lx60

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