

EXPLORER I



A Purpose – built 4G LTE RV Wireless Router



4G LTE-A
Cellular



Wi-Fi 5 with dedicated
2.4GHz & 5GHz Wi-Fi



Mobile App
Support



One
SIM



4 x 1Gbps
Ethernet

Explorer I Cellular Router Specification

Specification	Description
4G LTE-A (CAT 12) Model	
FDD Frequency Bands:	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B21, B25, B26, B28, B29, B30, B32, B66
TDD Frequency Bands:	B38, B39, B40, B41
Data Rate	- FDD: DL 600 Mbps, UL 150 Mbps - TDD: DL 430 Mbps, UL 90 Mbps
3G UMTS	- Frequency Bands: B1, B2, B3, B4, B5, B8, B9, B19 - Data Rate: DC-HSDPA DL 42 Mbps, HSUPA UL 5.76 Mbps - Data Rate: WCDMA DL 384 Kbps, UL 384 Kbps
4G LTE-A (CAT 6) Model for Americas	
FDD Frequency Bands	B2, B4, B5, B7, B12, B13, B25, B26, B29, B30, B66
TDD Frequency Bands	B38, B39, B40, B41
Data Rate	- FDD: DL 600 Mbps, UL 150 Mbps - TDD: DL 430 Mbps, UL 90 Mbps
3G UMTS	- Frequency Bands: B1, B2, B3, B4, B5, B8, B9, B19 - Data Rate: DC-HSDPA DL 42 Mbps, HSUPA UL 5.76 Mbps - Data Rate: WCDMA DL 384 Kbps, UL 384 Kbps
4G LTE (CAT 4) Model for North America	
FDD Frequency Bands	B2, B4, B5, B12, B13, B14, B66, B71
Data Rate	FDD: DL 150 Mbps, UL 50 Mbps
3G UMTS	- Frequency Bands: B2,B4, B5 - Data Rate: DC-HSDPA DL 42 Mbps, HSUPA UL 5.76 Mbps - Data Rate: WCDMA DL 384 Kbps, UL 384 Kbps

Wi-Fi	- Generation: Wi-Fi 5 - Frequency Bands: Dual-Band; 2.4 GHz and 5.8 GHz - Radios: Dual for Simultaneous 2.4 GHz and 5.8 GHz operation. - Operating Modes: Simultaneous Access Point & Client
Standards and Data Rate	2.4 GHz: IEEE 802.11 b/g/n up to 300 Mbps (theoretical) 5.8 GHz: IEEE 802.11 a/n/ac up to 867 Mbps (theoretical)
Ethernet	2.4 GHz: IEEE 802.11 b/g/n up to 300 Mbps (theoretical) 5.8 GHz: IEEE 802.11 a/n/ac up to 867 Mbps (theoretical)
GNSS (Global Navigation Satellite System)	- Simultaneous tracking of multiple constellations: - GPS: 1575.42 MHz (L1) - GLONASS: 1597.5 MHz – 1605.8 MHz (L1) - Galileo: 1575.42 MHz (L1) - BeiDou: 1561.098 MHz (L1) - QZSS: 1575.42 MHz (L1)

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Other Interface	• 1 x SIM Card Slot (Full size, Push-In/Push-Out) • 1 x USB 3.0 • 1 x Push Button Reset • 7 x External Antenna Connectors: • 2 x SMA for Cellular (50 Ohms, Female) • 2 x RP-SMA for 2.4G Wi-Fi (50 Ohms, Male) • 2 x RP-SMA for 5.8G Wi-Fi (50 Ohms, Male) • 1 x SMA for GPS (50 Ohms, Female) – for CAT6 and CAT 4 models
Power Input	• Voltage: 9 VDC to 32 VDC (12 VDC typical) • Current: 2.0 A max @ 12 VDC • Connector: 4-position locking
LED Indicators	• Power • 2.4 GHz Wi-Fi • 5.8 GHz Wi-Fi • 4G (Cell) • SYS • USB • Ethernet Link for each port
Operating Environment	• Temperature: • Operating: -20°C to 60°C (-4°F to 140°F) • Storage: -40°C to 70°C (-40°F to 158°F) • Humidity: 10% to 90% non-condensing
Physical	• Dimension: 164 x 137 x 35 mm (6.5 x 5.4 x 1.4 in) • Weight: 792 gm (1.74 lb)
Certifications	• Regulatory: FCC, ISED, CE (CAT12 only) • Industry: PTCRB, GCF (CAT 12 only) • Carriers: Verizon, AT&T, T-Mobile, Rogers, Telus,