

EWM-351DQGI2

5G NR FR1+GNSS WWAN module, M.2 3052 Key-B form factor



Features

- Support 5G Sub 6/ LTE/ WCDMA frequency
- 5G NSA: Max DL 4.9 Gbps, UL 0.55 Gbps
5G SA: Max DL 4.1 Gbps, UL 0.90 Gbps
- Four 5G sub-6 antenna connectors with GNSS shared path
- Support GNSS: GPS/ GLONASS/ Galileo/ Beidou/ QZSS/ SBAS
- Two GNSS paths to support simultaneous L1 and L5 operation
- Operating temperature: -40 ~ 85 °C (-40 ~ 185 °F)

Specifications

Main Chipset	Qualcomm SDX72-0
Antenna	4 x MHF-4 type Cellular connectors + 1 x MHF-4 type dedicated GNSS antenna connector
Band	5G: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29(SDL)/n30/n38/n40/n41/n48/n53/n66/ n67(SDL) /n70/n71/ n75(SDL)/n76(SDL)/n77/n78/n79/n91/n92/n93/n94 - LTE: B1/B2(B25)/B3/B4(B66)/B26(B5,B18,B19)/B7/B8/B12(B17)/B13/B14/B20/B28/ B29(SDL)/B30/ B32(SDL)/B106/B34/B38/B39/ B40/B41/B42/B43/B46(SDL)/B48/B53/ B67(SDL) /B68/B70/B71 - WCDMA: B1/B2/B4/B5/B8
Data throughput	5G NSA: Max DL 4.9 Gbps, UL 0.55 Gbps 5G SA: Max DL 4.1 Gbps, UL 0.90 Gbps
Interface	USB 3.2 Gen2/ USB 2.0/ PCIe Gen3 signal interface
Operation Voltage	3.135V~4.4V (3.3V recommended)
Power Consumption	800mA
O.S Supported	Windows and Linux
Temperature Ranges	-40°C ~ +85°C / -40°F ~ 185°F (operating and storage)
Dimensions (L x W x H)	30.0 x 52.0 x 2.3 mm / 1.18 x 2.05 x 0.09 in

Ordering Information

Part No.	Product Description
EWM-351DQGI2	5G NR FR1 WWAN module, M.2 3052 B-key, for Global

Suggested Antenna and Cable

Model	Part No.	Specifications
AIW-534	1751000512-01	5G-Sub6 Multi-band Dipole Ant, SMA/M, BLK, L134mm
AIW-533	1751000929-01	5G-Sub6 Multi-band Dipole Ant, SMA/M, BLK, L183mm, IP67
AIW-522	1751000941-01	Active GNSS Ant. L1+L2+L5 band, SMA/M, RG174, BLK, L5000mm, Magnetic mount, IP67
	1751000649-01	Coaxial Cable, 10cm, SMA female to IPEX4
	1751000625-01	Coaxial Cable, 15cm, SMA female to IPEX4
	1751000633-01	Coaxial Cable, 20cm, SMA female to IPEX4
	1751000624-01	Coaxial Cable, 25cm, SMA female to IPEX4
	1751000623-01	Coaxial Cable, 30cm, SMA female to IPEX4