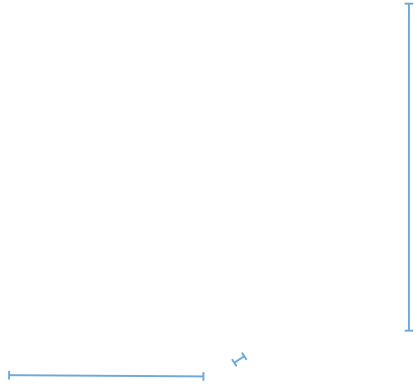




LTE	0 / \$
LTE	\$

W



Variants

	LN920A12-WW	LN920A6-WW
LTE Bands	1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 38, 40, 41, 42, 43, 48 (CBRS), 66, 71	
WCDMA Bands	1, 2, 4, 5, 8, 9, 19	
Category	12	6
Maximum DL Throughput [Mbps]	600	300
Maximum UL Throughput [Mbps]	150	50
DL CA	Up to 3xCA	Up to 2xCA

Key Specifications

- M.2 form factor
- Chipset: Qualcomm SDX12

Product Features

- Available as Cat 12 (LN920A12-WW) or Cat 6 (LN920A6-WW)
- 3GPP Rel 12 compliant
- Control via AT commands according to 3GPP TS27.005, 27.007 and custom AT commands
- SIM application tool kit 3GPP TS51.014
- SMS over SG and IMS
- Firmware over-the-air (FOTA) update
- Embedded GNSS (GPS, GLONASS, Beidou, Galileo) receiver with dedicated RF connector
- Dual-SIM interface (Dual-SIM, single standby)
- Secure boot to prevent unauthorized code from being executed on the modem
- SELinux (Security-Enhanced Linux) architecture to guarantee maximum data protection
- Pads for WLCSP form factor eSIM available

Modem Features

- Data-only module
- **LN920A12-WW:**
 - 3GPP Rel 12, 600 Mbps DL, 150 Mbps UL
 - LTE FDD/TDD, up to 3xCA DL (600 Mbps, 60 MHz)
 - LTE FDD/TDD UL CA (150 Mbps, 40 MHz)
 - LTE 256-QAM DL, 64-QAM UL
- **LN920A6-WW:**
 - 3GPP Rel 12, 300 Mbps DL, 50 Mbps UL
 - LTE FDD/TDD, up to 2xCA DL (300 Mbps, 40 MHz)
 - LTE 64-QAM DL, 16-QAM UL
- - 3G DC-HSPA+ legacy technology
- LwM2M support

Physical & Environmental

- Dimensions: 30 x 42 x 2.4 mm
- Full industrial operating temperature range: 40 to +85 °C (operating and storage)

Interfaces

- GPIOs
- USB 3.0
- Two 1.8 V/3 V SIM interfaces

Electrical

- 3.3 V nominal
- Range: 3.1–3.6 V

Drivers

- Windows 10
- Linux

Approvals*

- Regulatory: CE/RED, FCC, IC, Jate/Telec
- Industry standard: GCF, PTCRB
- MNOs: AT&T, KDDI, NTT Docomo, Softbank, T-Mobile U.S., Telus, Telstra, Verizon

*Planned

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