

PRELIMINARY

FN920C04

5G Rel 17 + LTE Cat 4



Product Description

The FN920C04 enables 5G mid-speed connectivity relying on the latest 3GPP Release 17 Redcap technology. It levels up performance and efficiency, promising the highest level of flexibility by offering a single SKU, global M.2 card form factor that allows customers to move to a secure 5G future easily.

Key Benefits

- Global design for full flexibility and longevity with 5G technology
- Embedded Processing enabled by Appzone and support for multiple connectivity and device management options with the onboard eSIM and Telit Cinterion OneEdge™
- Security by design, securing devices and device-to-cloud
- Improved operational efficiency and precise GNSS positioning with support for L1 and L5 frequencies and a dedicated antenna port
- Applications:
 - Cellular Router and Gateways
 - Fixed Wireless Access (FWA)
 - Connected Healthcare
 - Video Surveillance

Family Concept

These data cards are industry-standard, edge-connected M.2 mini cards, formerly known as the Next Generation Form Factor (NGFF), which makes them compatible with Telit Cinterion 4G LTE and 5G data cards.

Customers can now choose among a wide variety of advanced cellular technologies, including mobile broadband LTE and 5G, giving them full flexibility to fulfill their needs.

Connectivity Solutions

NExT™ powered by Telit Cinterion is a cloud native core network. Telit Cinterion is a full tier 1 MVNO, enabling new and enhanced turnkey connectivity solutions and device management services. With this IoT network, you can deploy powerful, intelligent Global roaming with multi-IMSI and localization capabilities (eUICC) on more than 600 mobile carriers in 200+ countries in 2G/3G/4G/CAT-M/NB-IoT & 5G. The NExTPro our Connectivity Management Portal provides full visibility, monitoring & analytics.

In addition, Telit Cinterion offers Connectivity Activation, a remote SIM provisioning service that leverages latest eSIM technology to simplify and optimize connectivity provisioning and M(V)NO selection. Connectivity Activation digitalizes SIM provisioning and makes the IoT journey seamless and efficient for your devices, from the factory to the last day of operation.

AVAILABLE FOR

Worldwide



FN920C04

FN920C04-WW

Market	Worldwide
5G FR1	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n30, n38, n40, n41, n48, n53, n66, n70, n71, n77, n78, n79
LTE	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B30, B34, B38, B39, B40, B41, B42, B43, B48, B66, B71
eSIM/iSIM	Optional eSIM
Voice	Yes
GNSS	L1 + L5

Product Features

- 5G Sub.6 FDD and TDD operation in 5G NR Standalone
 - DL: 220 Mbps
 - UL: 100 Mbps
- LTE Cat 4
 - DL: 150 Mbps
 - UL: 50 Mbps
- SMS text and PDU mode support
- Security by design
- Informal network scan
- Embedded processing enabled by IoT AppZone
- OneEdge cloud services
- Integrated GNSS support L1 + L5 (GPS, BeiDou, GLONASS, Galileo)
- Firmware over-the-air (FOTA) support
- Wake on WAN (WoWAN)
- Dynamic Power Reduction (DPR)


Hardware and Electrical Specifications

- M.2 form factor
- Dimensions: 30 x 42 x 2.3 mm
- Operational temperature range:
 - 40° C to +85° C
- Extended temperature range: <td>
- Supply voltage range: 3.1-3.5 V
- Weight: <td>
- Pads for Rx diversity/MIMO antennas
- Pads for GNSS antenna
- USB 2.0 interface up to 480 Mbps
- GPIO, PCIe Gen2.0, I2S, SIM detected
- Dual UICC and U-SIM card interfaces 1.8 V/3 V
- Lines for Module-On and Reset

Drivers

- Drivers for Windows® 11
- Drivers for Linux
- Android RIL

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