CMT700

5G Bridge Featuring
Sub-6-Only Technology



5G with LTE Fallback	2.5 GB Port PoE Capable	Private Network Ready	Global

The Telit Cinterion CMT700A0 is a state-of-the-art 5G bridge with sub-6-only technology. It provides LTE fallback with WCDMA and GNSS support.

Businesses worldwide can use this next-generation 5G bridge to future-proof IoT, enterprise applications and video. In addition, they can leverage 5G and Gigabit LTE benefits immediately.

The CMT700A0 is designed for global usage. It incorporates support for all scenarios prescribed by 5G 3GPP Release (Rel) 16 deployments, including:

- Non-stand-alone (NSA) LTE/5G New Radio (NR) dual connectivity (EN-DC)
- Dynamic spectrum sharing (DSS) between LTE and 5G
- Full 5G NR stand-alone (SA) mode

These Telit Cinterion CMT700 data cards support the latest 5G deployments and all major sub-6 frequency bands for maximum connectivity. They leverage all features of the fourth-generation Qualcomm® Snapdragon™ X65 and X62 5G Modem-RF System to target mid-tier market needs.

CMT700



Available Bands

Market	North America, EMEA, APAC
5GFR1 Bands	n1, n2, n3, n5, n7, n8, n20, n25, n28, n30, n38, n40, n41, n48, n66, n71, n75, n77, n78, n79 NSA default off: n12, n13, n14, n18, n26, n29, n76 SA default off: n12, n13, n14, n18, n26, n29, n76
5GFR1 Bandwidth	120 MHz, 2CC CA DL; 200 MHz, 3CC CA DL
LTE Bands	B1, B2 (B25), B3, B4 (B66), B26 (B5, B18, B19), B7, B8, B12 (B17), B13, B14, B20, B28, B29 (DL), B30, B32 (DL), B34, B38, B39, B40, B41, B42, B43, B46 (LAA), B48 (CBRS), B66, B71
WCDMA Bands	B1, B2, B4, B5 (B6, B19), B8

Hardware and Electrical Specifications

Dimensions	180 × 140 × 36 mm (without antennas)
SIM Interface	1.8/3 V
USB	3.1 Gen 2
Driver Support	Windows 10, Windows 11, Linux
Operating Temperature Range	-30° C to +40° C
LTE/5G Sub-6 Output Power	23 dBm (Power Class 3) 26 dBm (Power Class 2) in B41, n41 29 dBm (Power class 1.5) on n41, n77, n78 ,n79
Supply Voltage	12V dc @ 2 A jack or PoE (54 V dc @ 440mA)

Data Throughput

5G NSA	Up to 3.4 Gbps DL/0.46 Gbps UL
5G SA	Up to 2.5 Gbps DL/0.90 Gbps UL
4G	Up to 1.6 Gbps DL/211 Mbps UL
3G	Up to 42 Mbps DL/11 Mbps UL

Product Features

5G	5G sub-6 FDD and TDD, SA and NSA operations 5G core network Opt. 3a/3x and Opt. 2
4G	5 CA up to 19 layers DL/2 CA UL, 256-QAM DL/UL
3G	HSPA+ Rel 8 (42 DL/11 UL Mbps)
GNSS	gpsOne Gen 9 Band L1 on dedicated RF connector
4 x 4 MIMO DLSupport	5G FR1: n1, n2, n3, n7, n25, n30, n38, n40, n41, n48, n66, n75, n77, n78, n79 4G: B1, B2, B3, B4, B7, B25, B30, B38, B39, B40, B41, B42, B43, B48, B66
2 x 2 MIMO UL Support	5G FR1: n38, n41, n48, n77, n78, n79
Antenna Types	Four LTE/sub-6 + one GNSS (shared)
Remote Updates	FOTA support

Approvals

	FCC, ISED, CE/RED, UKCA, UK-PSTI, PTCRB, Safety (IEC62368), RoHS/REACH, CP65 TIM, AT&T

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