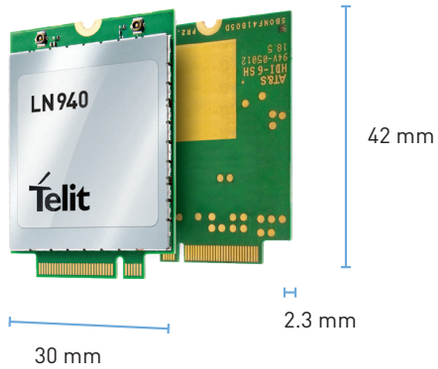
LN94x Series

LTE 600/50 | HSPA+ 42.0/11.5 M.2 Data Cards



M.2 Data cards for mobile computing

The Telit M.2 family of modules supports the latest LTE-Advanced networks with 3G fallback worldwide. The industrial-grade PCIe M.2 form factor allows for easy integration into mobile computing, networking, and industrial IoT device platforms that command a smaller and thinner footprint.

Optimized for low power consumption, the Telit M.2 family is delivers unprecedently high-speeds of LTE-Advanced with the addition of up to 3CC Downlink Carrier Aggregation and up to 256 QAM modulation for the most robust cellular performance possible.

This family of compact modules are uniquely designed to combine critical features with enhancements such as Adaptive Clocking, Selective Suspend, Link Power Management, Dynamic Power Reduction, and Tunable Antenna Enablement that together deliver the most streamlined, reliable user experience possible.

LN941 variant

Compliant with 3GPP Category 6 releases LN941 is the most affordable LTE module, with the capability of 2CC Carrier Aggregation, reaching up to 300Mbps DL.

- LN941A6-E1 - LTE Category 6 for Europe

LN940 variants

Variants in the LN940 M.2 family support different LTE categories and country-specific band configurations.

Models within the LN940 M.2 family support 3GPP releases Cats 9, 10, 11, and 12, achieving, 450 Mbps (Cat 9), up to 600 Mbps downlink speeds (Cat 11). (Models support different LTE categories, country-specific band configurations, and the tier 1 operator compatible carrier aggregation configuration sets.)

- LN940A9 LTE Module - LTE Category 9 capable for North America, Europe, and APAC
- LN940A11 LTE Module - LTE Category 11 capable for Australia and Europe

Key Benefits

- Latest PCIe Data-card form factor; easy to upgrade
- International regulatory and carrier certifications significantly cut project deployment time
- LTE-Advanced with enhanced connectivity performance including Carrier Aggregation, MIMO and 256 QAM

AVAILABLE FOR

- EMEA
- North America
- Latin America
- APAC
- Japan
- Australia

Complete, Ready to Use Access to the Internet of Things

IoT Modules | IoT Connectivity | IoT Platforms

LE940A11/ LN940A

Technology		LN940A11: LTE FDD/TDD Cat. 11 / LN940A9: LTE FDD/TDD Cat. 9
RF Bands	**Carrier Aggregation**	LN940A11/LN940A9: 70 2CC interband/intraband carrier aggregation configurations and 64 3CC interband/ intraband carrier aggregation configurations in multiple duplex modes (FDD only, TDD only, or FDD+TDD) LN940A9-J1: 10 2CC interband/intraband carrier aggregation configurations, 4 3CC interband/intraband carrier aggregation configurations in FDD duplex mode.
	LTE	LN940A11/LN940A9: 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 21, 25, 26, 28, 29, 30 ,38, 39, 40, 41, 66 LN941A6-E1: 1,3,7,8,20,28,32
	WCDMA/3G	LN940A11/LN940A9: 1, 2, 3, 4, 5, 6, 8, 19 LN941A6-E1: 1, 8
Data Throughput		LN940A11: Up to 600Mbps DL (@256QAM, Cat.11) /50Mbps UL (@16QAM, Cat.11) LN940A9: Up to 450Mbps DL (@64QAM, Cat. 9) /50Mbps UL (@16QAM, Cat.11)
Operating Temperature		-40°C to +85 °C
Inter Processor Communication (IPC) Interface		USB 3.0 SS, USB 2.0 HS
Antenna	**Diversity**	Rx Diversity
	MIMO	2x2 MIMO
	Control	Tunable Antenna
Tools		Firmware Switching, Noise Profiling, GNSS tools, Tracing, Debuging
Operating System Support		Win 10, Linux
GNSS		GPS, GLONASS, BEIDU
Certifications		LN940A11/LN940A9: FCC/CE/PTCRB/GCF/NCC/CCC/JATE/TELEC Targeted MNO IOT: AT&T, VZW, Docomo, KDDI, Telstra, Optus, Deutsche Telekom, Swisscom, Orange, Vodafone, Telefonica LN941A6-E1: CE/GCF