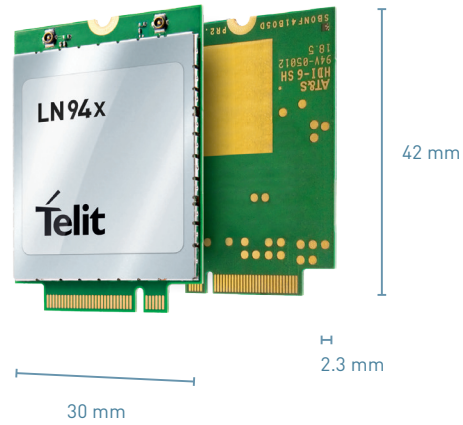


LN94x Series

LTE 600/50 | DC-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 delivers unprecedentedly 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 variant

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, 450Mbps [Cat 9], up to 600Mbps 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 Europe and APAC

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

Complete, Ready to Use Access to the Internet of Things



LN940A11/LN940A9 /LN941A6-E1

Technology		LN940A11: LTE FDD/TDD Cat. 11 / LN940A9: LTE FDD/TDD Cat. 9 LN941A6-E1: LTE FDD Cat. 6
RF Bands	Carrier Aggregation	LN940A11/LN940A9: 70 kinds of 2CC interband/intraband carrier aggregation configurations and 64 kinds of 3CC interband/intraband carrier aggregation configurations in multiple duplex modes (FDD only, TDD only, or FDD+TDD) LN941A6-E1: 10 kinds of 2CC carrier aggregation configurations
	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, 5, 7, 8, 20, 28, 32
	WCDMA/3G	LN940A11/LN940A9: 1, 2, 3, 4, 5, 6, 8, 19 LN941A6-E1: 1, 5, 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) LN941A6-E1: Up to 300Mbps DL (@64QAM, Cat 6)/ 50 Mbps 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, Debugging
Operating System Support		Win 10, Linux, Android
GNSS		GPS, GLONASS, BEIDOU
Certifications		LN940A11: CE/KCC MNO IOT: SK Telekom LN940A9: FCC/CE/PTCRB/GCF/NCC/CCC/JATE/TELEC MNO IOT: AT&T, VZW, Docomo, KDDI, SoftBank LN941A6-E1: CE/GCF

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