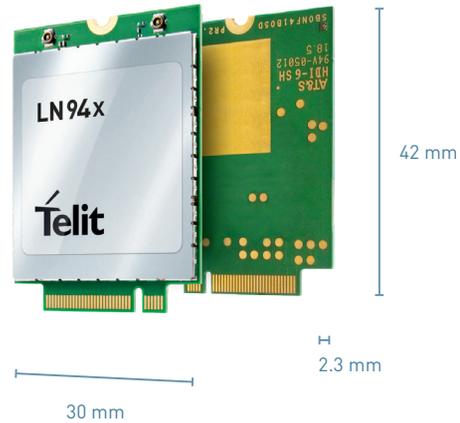


## LN94x Series

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 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**



## LN940A11/LN940A9 /LN941A6-E1

|  |                            |   |
|--|----------------------------|---|
| <b>Technology</b>                                    |                            | LN940A11: LTE FDD/TDD Cat. 11 / LN940A9: LTE FDD/TDD Cat. 9<br>LN941A6-E1: LTE FDD Cat. 6   |
| <b>RF Bands</b>                                      | <b>Carrier Aggregation</b> | 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)<br>LN941A6-E1: 10 kinds of 2CC carrier aggregation configurations |
|  | <b>LTE</b>                 | 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<br>LN941A6-E1: 1,3,7,8,20,28,32   |
|  | <b>WCDMA/3G</b>            | LN940A11/LN940A9: 1, 2, 3, 4, 5, 6, 8, 19<br>LN941A6-E1: 1, 8   |
| <b>Data Throughput</b>                               |                            | LN940A11: Up to 600Mbps DL (@256QAM, Cat.11) /50Mbps UL (@16QAM, Cat.11)<br>LN940A9: Up to 450Mbps DL (@64QAM, Cat. 9) /50Mbps UL (@16QAM, Cat.11)<br>LN941A6-E1: Up to 300Mbps DL (@64QAM, Cat 6)/ 50 Mbps UL (@16QAM, Cat 11)   |
| <b>Operating Temperature</b>                         |                            | -40°C to +85 °C   |
| <b>Inter Processor Communication (IPC) Interface</b> |                            | USB 3.0 SS, USB 2.0 HS  |
| <b>Antenna</b>                                       | <b>Diversity</b>           | Rx Diversity  |
|  | <b>MIMO</b>                | 2x2 MIMO  |
|  | <b>Control</b>             | Tunable Antenna   |
| <b>Tools</b>   |                            | Firmware Switching, Noice Profiling, GNSS tools, Tracing, Debuging  |
| <b>Operating System Support</b>                      |                            | Win 10, Linux, Android  |
| <b>GNSS</b>  |                            | GPS, GLONASS, BEIDOU  |
| <b>Certifications</b>                                |                            | LN940A11/LN940A9:<br>FCC/CE/PTCRB/GCF/NCC/CCC/JATE/TELEC<br>Targeted MNO IOT: AT&T, VZW, Docomo, KDDI, Telstra, Optus, Deutsche Telekom, Swisscom, Orange, Vodafone, Telefonica<br>LN941A6-E1: CE/GCF   |

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For a quicker and more rewarding integration experience join the Telit Technical Forum. There you can browse the first open forum covering all IoT topics, get direct support by region (EMEA, North America, Latin America, APAC), take part in this quickly growing IoT community and exchange experiences.

Telit Communications S.p.A.  
Via Stazione di Prosecco, 5/B  
I-34010 Sgonico (Trieste), Italy  
**Phone** +39 040 4192 200  
**Fax** +39 040 4192 383  
**E-Mail** [EMEA@telit.com](mailto:EMEA@telit.com)

Telit Wireless Solutions Inc.  
3131 RDU Center Drive, Suite 135  
Morrisville, NC 27560, USA  
**Phone** +1 888 846 9773 or +1 919 439 7977  
**Fax** +1 888 846 9774 or +1 919 840 0337  
**E-Mail** [NORTHAMERICA@telit.com](mailto:NORTHAMERICA@telit.com)

Telit Wireless Solutions Inc.  
Rua Paes Leme, 524, Conj. 126  
05424-101, Pinheiros  
São Paulo-SP-Brazil  
**Phone** +55 11 3031 5051  
**Fax** +55 11 3031 5051  
**E-Mail** [LATINAMERICA@telit.com](mailto:LATINAMERICA@telit.com)

Telit Wireless Solutions Co., Ltd.  
8th Fl., Shinyoung Securities Bld.  
6, Gukjegeumyung-ro8-gil, Yeongdeungpo-gu  
Seoul, 150-884, Korea  
**Phone** +82 2 368 4600  
**Fax** +82 2 368 4606  
**E-Mail** [APAC@telit.com](mailto:APAC@telit.com)

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