

LE915Ax-P

LTE Cat 4 150/50 & Cat 6 200/50



ProductDescription

The LE915Ax-P series of 4G LTE modules comply with the 3GPP Release 9 (Rel. 9) and support Citizens Broadband Radio Service (CBRS) Band 48 for private LTE applications and LTE Bands 42 and 43. This compact and cost-effective LGA form factor family is available both as Class 4 and Class 6 and ideal for different industrial applications (e.g., oil and gas, surveillance, telemetry, etc.).

Key Benefits

- Compact LGA form factor
- Support for LTE Bands 42, 43 and 48 (CBRS)
- Variety of hardware interfaces: USB 2.0 HS, UART and user-definable GPIOs
- Internet-friendly with integrated TC/IP and UDP/IP stacks
- Firmware over-the-air (FOTA) update

AVAILABLE FOR

[NA \(Private LTE Networks\)](#)



Variants

- LE915A4-P: Rel. 9, Cat 4 LTE module supporting Bands 42, 43 and 48
- LE915A6-P: Rel. 9, Cat 6 LTE module supporting Bands 42, 43 and 48

LE915Ax-P

Product Features

- Support for LTE Bands 42, 43 and 48 (CBRS)
- Data-only module
- LTE TDD Cat 4, 3GPP Rel. 9 compliant (LE915A4-P)
- LTE TDD Cat 6, 3GPP Rel. 9 compliant (LE915A6-P)
- Rx diversity and MIMO DL 2 × 2
- SMS over NAS
- IPv4/IPv6 stack
- Control via AT commands according to 3GPP TS 27.005, 27.007 and Telit Cinterion custom AT commands
- FOTA update

Hardware and Electrical Specifications

- Dimensions: 32 x 29 x 1.6 mm
- 134-pin LGA interface
- 10 I/O ports (1.8V) including multifunctional I/Os
- USB 2.0 HS/HSIC
- 2x UART
- 1.8 V/3 V SIM interface
- RF pad, RX diversity & MIMO pad
- Temperature Range: -30 °C to +60 °C
- REACH and RoHS compliant
- Output power
 - Class 3 (0.2 W, 23 dBm) LTE
- Supply voltage range
 - Nominal: 3.8 V dc
 - Range: 3.135 - 5.5 V dc

Data Throughput

LTE Cat 4 (LE915A4-P)

- Uplink up to 15 Mbps
- Downlink up to 100 Mbps

LTE Cat 6 (LE915A6-P)

- Uplink up to 15 Mbps
- Downlink up to 200 Mbps

Approvals

- FCC (North America)
- CBRS OnGo

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