

LTE Module L816-AM



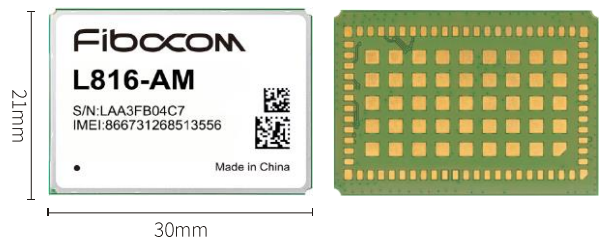
3 Modes

50Mbps Uplink

150Mbps Downlink

Temperature Range
-30°C~+75°C

Fibocom l816-am is the thinnest LTE Cat4 module, with LGA and m.2 packaging forms, supporting up to Cat4 150Mbps, downlink and 50Mbps uplink speeds, supporting LTE FDD / UMTS / GSM. Fibocom l816-am is widely used in the consumer electronics industry, especially for products with strict requirements on module thickness, such as e-books and smart POS machines.



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Product Features

- Model: 1. Cat1 2. Cat4
- LTE FDD: Band 2,4,12
- WCDMA: Band 1,2,5,6,8
- GSM/GPRS/EDGE: 850 / 900 / 1800 / 1900MHz
- LGA 115pin 30×21×1.55mm
- M.2 Adapter 22x42x2.45mm(Optional)
- Operating Temperature: -30℃ ~ +75℃
- Operating Voltage: 3.3V~4.5V
- AT Command Set: 3GPP TS 27.007 and 27.005, and
• proprietary FIBOCOM AT commands
- RX Sensitivity
LTE FDD: -100dBm (typical)
WCDMA: -110dBm (typical)
GSM: -108~-109dBm (typical)
- TX Power
LTE FDD: 23±1dBm
WCDMA: 23±1dBm
GSM850/900: 32.5±1dBm
DCS1800: 29.5±1dBm
PCS1900: 29.5±1dBm

Data

- LTE FDD: 10Mbps DL/5Mbps UL (Cat 1)
- 150Mbps DL/50Mbps UL (Cat 4)
- UMTS:384 kbps DL/384 kbps UL
- HSDPA CAT 8:7.2 Mbps Down
- HSUPA CAT 6:5.76 Mbps Up
- GPRS/EDGE:MSC 10, CS-4 80 Kbps Down/20Kbps Up
- SMS: MO/MT Text and PDU modes
- GSM 3GPP release 7
- EDGE (E-GPRS) Multi-slot class 33(296kbps DL,
• 236.8kbps UL)
- GPRS Multi-slot class 33(107kbps DL, 85.6kbps UL)
- Embedded TCP/IP and UDP/IP protocol stack

Interface

- LGA form factor
- USIM 3V/1.8V
- USB 2.0 x 1
- EINT, GPIO
- USIM x 1
- RF MIPI, RF GPIO
- M.2 form factor
- USB2.0
- SIM 1.8/3.3V, Support SIM card detection
- ANT Tunable
- POWER_ON/OFF#
- Reset, W_DISABLE, DPR, WOWWAN, TX_BLANKIN

Driver

- Win10, Linux, Android

Approval

- PTCRB / FCC/GCF/CE-RED/IC/ANATEL/JPA&JRF/TELEC
- AT&T/Telefonica/Docomo/Roger

Note: * = Planning / In progress

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