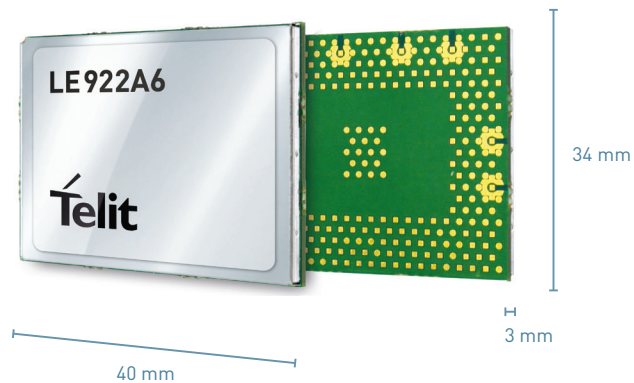# Telit

LE922A6 Series

LTE 300/50 | 2C-HSPA+ | 42/11 Embedded

34 mm

3 mm

40 mm

Product Description

The LE922A6 product series deliver high speed data rates for deployment in the fastest LTE cellular 4G networks up to 300 Mpbs downlink and 50Mbps in uplink.

These modules are therefore particularly well-suited, but not limited, to those devices that have extremely high data throughput requirements, such as mobile broadband gateways and routers, taking the benefit of the most advanced 3GPP Release 10 LTE connectivity in one of the following configurations:

- Back up connectivity when primary wire line internet connections are not available, ensuring seamless connectivity to the end users

- Hybrid connectivity combining DSL and LTE data stream to enhance data rate

- Mobile hotspots with MiFi connectivity

The LE922A6 products are optimized for LTE Cat 6 high throughput, supporting MIMO and LTE Advanced carrier aggregation capabilities.

In addition, for voice applications, specific models support integrated enhanced VoLTE based services and IMS solutions with SRVCC over 3G for seamless voice continuity dur-ing mobility.

Key Benefits

- Take advantage of the latest generation of LTE-A networks delivering LTE Cat 6 throughput up to 300 Mbps in DL and 50 Mbps in UL

- Increased connectivity performance with carrier aggregation up to 40MHz bandwidth, both intraband and interband, and MIMO 2x2

- Multiple regional variants to support the various bands (FDD/TDD) and band combinations deployed world-wide, all with the same form factor

- LGA form factor well suites the industrial segments, where requirements for improved robustness as well as extended temperature range are more demanding, without compromising the efficiency for retail solutions

- Cortex-A7 application processor with high computing capability already embedded in the SoC to reduce dependencies from an external host processor for all those end-products as portable MiFi routes, that do not require additional Ethernet or analogic interfaces

Variants

Two different models are available to fulfill the requirements of the Australian and European market and additional regional variants will follow.

Multi-band configurations, covering different sets of 4G bands and 3G bands where fall back to 3G technologies is required.

All product variants add the value of specific MNO certifications as well as regulatory certifications and GCF or PTCRB.

AVAILABLE FOR

EMEA
North America
Latin America
APAC
Korea
Australia

Complete, Ready to Use Access to the Internet of Things

IoT MODULES   IoT CONNECTIVITY   IoT PORTAL

ENABLING THE IOT IS WHAT WE DO.

	LE922A6-A1	LE922A6-E1
Market	Australia	Europe
4G bands (MHz)	700 (B28) / 1800 (B3) / 2100 (B1) / 2600 (B7) / 2300 (B40)	800 (B20) / 1800 (B3) / 2600 (B7)
3G bands (MHz)	900 / 2100	•
Carrier aggregation	DL 2CA 1+7, 1+28, 3+3, 3+28, 3+40, 7+7, 28+7, 40+40	DL 2CA 3+20, 3+7, 7+20, 3+3, 7+7
Technology	Rel. 10 LTE FDD & TDD, Cat 6 2C-HSPA+	Rel.10 LTE FDD, Cat 6
Data throughput	LTE FDD: DL: 300 Mbps, UL: 50 Mbps — DC-HSPA+: DL: 42 Mbps, UL: 11 Mbps	LTE FDD: DL: 300 Mbps, UL:50 Mbps
RX Diversity	YES	YES
MIMO	2x2 DL SU-MIMO 4x2 MIMO	2x2 DL SU-MIMO 4x2 MIMO
VoTLE	YES	YES
Operating temperature	-40°C to +85°C	-40°C to +85°C
Supply Voltage	3.6 V to 4.2 V (Typ. 3.8 V)	3.6 V to 4.2 V (Typ. 3.8 V)
GPIO	10	10
USB	3.0	3.0
UART	YES	YES
SPI	YES	YES
I2C	YES	YES
SDIO	YES	YES
Dimensions	34 x 40 x 3mm	34 x 40 x 3mm
Certifications	RCM, GCF Carrier Approval	R&TTE, GCF Carrier Approval

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