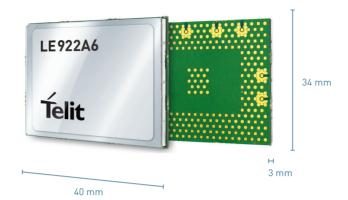


LE922A6 Series

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



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

/ WILL I DELL I OIL	
EMEA	
North America	
Latin America	
APAC	
Korea	
Australia	

Complete, Ready to Use Access to the Internet of Things







IoT CONNECTIVITY

IoT PORTAL



	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: DC-HSPA+: DL: 300 Mbps, DL: 42 Mbps, UL: 50 Mbps UL: 11 Mbps	LTE FDD: DL: 300 Mbps, UL:50 Mbps
RX Diversity	YES	YES
МІМО	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)
GPI0	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

Telit reserves all rights to this document and the information contained herein. Products, names, logos and designs described herein may in whole or in part be subject to intellectual property rights. The information contained herein is provided "as is". No warranty of any kind, either express or implied, is made in relation to the accuracy, reliability, fitness for a particular purpose or content of this document. This document may be revised by Telit at any time. For most recent documents, please visit www.telit.com Copyright © 2016, Telit



Join the Telit Technical Forum

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 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

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 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



