

ELS62 Series

LTE Cat 1bis



Key Features

LTE Cat.1 Single Antenna module for flexible, future-proof and highly secure designs

The Cinterion ELS62 module with 2G fallback provides full design flexibility, fast time-to-market, and future proof technology ideal for security and alarm solutions, smart cities, and many more.

The single antenna design module enables device makers to take advantage of all LTE Cat.1bis advantages while fully benefitting from industry-leading quality, security and support expertise.

Utilizing the Cinterion Industrial form factor, the ELS62 series offers footprint compatibility with Cinterion IoT modules ranging from 2G to LTE. With seamless software and hardware compatibility for all variants with the Cinterion Industrial class module, the ELS62 greatly improves deployment agility and simplifies migration between technologies to help speed time to market.

The safest solution in the market

Outstanding features of the ELS62 include secure boot, secure communication TLS 1.3/DTLS 1.2, secure mode and keystore, secure debug interfaces, firmware encryption, and secure credential preloading, handling & management.

Cybersecurity consulting and support from design-in to production are available. We combine decades of industrial cellular module design and an unrivalled expertise with state-of-the-art technology to strengthen security, authenticate devices, encrypt data and manage connections to cellular networks.

eSIM simplifies, secures IoT connectivity (optional)

An embedded SIM with Connectivity Activation securely manages connections to cellular networks for single antenna devices. It works seamlessly with subscription management solution to maintain connectivity for the entire lifecycle of devices. All of this simplifies integration, manufacturing and logistics to reduce TCO.

Flexible connectivity solutions with NEX™ data plans and Connectivity Activation

Connectivity Solutions

NEX™ powered by Telit Cinterion is a cloud native core network. Telit Cinterion is a full tier 1 MVNO, enabling new and enhanced turnkey connectivity solutions and device management services. With this IoT network, you can deploy powerful, intelligent Global roaming with multi -IMSI and localization capabilities (eUICC) on more than 600 mobile carriers in 200+ countries in 2G/3G/4G/CAT-M/NB-IoT & 5G. The NEXPro management tool provides full visibility, monitoring & analytics.

In addition, Telit Cinterion offers Connectivity Activation, a remote SIM provisioning service that leverages latest eSIM technology to simplify and optimize connectivity provisioning and M(V)NO selection. Connectivity Activation digitalizes SIM provisioning and makes the IoT journey seamless and efficient for your devices, from the factory to the last day of operation.

AVAILABLE FOR

EMEA

LATAM

India

Brazil

China



ELS62 Series

Variants

	ELS62-W	ELS62-E	ELS62-BR	ELS62-C	ELS62-I
Market	EMEA/LATAM/India	EMEA	Brazil	China	India
FDD-LTE Rel 13	Band 1, 2, 3, 4, 5, 7, 8, 20, 28, 66	Band 1, 3, 7, 8, 20, 28	Band 1, 3, 7, 8, 20, 28	Band 1, 3, 5, 8	Band 1, 3, 5, 8
TDD-LTE Rel 13	Band 38, 40, 41	-	-	Band 34, 38, 39, 40, 41	Band 40, 41
EGPRS Rel 9	850, 900, 1800 and 1900 MHz	900, 1800 MHz	850, 900, 1800 and 1900 MHz	900, 1800 MHz	900, 1800 MHz

General Features

- 3GPP Rel.13 Compliant Protocol
- Volte with CSFB
- LTE Cat.1bis
- DL: max. 10.2 Mbps, UL: max. 5.2 Mbps

Interfaces

- 2 high-speed serial interfaces USB
- Digital Audio interface (PCM and I2S)
- Dual UICC/U/SIM card interface 3V/1.8V (embedded SIM option)
- SPI, I2C, GPIO's

Approvals

- GCF, RED, UKCA, ROHS, RCM, Anatel, CCC, SRRC, NAL

Special Features

- Embedded Processing with Cinterion IoT SDK
- Embedded IPv4 and IPv6 TCP/IP stack access via Cinterion AT command: TCP & UDP Server/Client, Ping, HTTP Client, FTP(s)/FTPES Client, MQTT Client
- Secure Connection with TLS 1.3 / DTLS 1.2
- Secure boot
- Firmware Update Over the Air (OTA) with full or incremental packages
- NExT™ connectivity embedded connectivity (roadmap)
- Connectivity Activation remote SIM provisioning service

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