



# 4G IoT Gateways

Multi Band LTE Cat 1

Embedded TCP / IP Stack

Advanced Temperature Management

RLS Monitoring (Jamming Detection)

USB 2.0 (PLS62T-W only) / BBox 62.30003-6. / Arris B611903 / TTI Q101613 16CE6T/

Thales's new suite of Cinterion LTE Cat1 Smart Gateways brings new simplicity to M2M. Leveraging Thales's next-generation Java embedded technology, the plug-and-play solutions powered by the multi-band LTE Cat-1 basebands with seamless fallback to 3G and/or 2G enable secure wireless TCP/IP connectivity anywhere in the world for a variety of industrial applications such as metering, remote monitoring, transportation, security and many more. The Cinterion ELS61T gateways come in regional versions providing universal industrial interfaces e.g. Ethernet or serial RS232 are encased in a compact, unprecedented mounting

options. They provide first time IoT developers and small-scale implementers with a flexible, cost effective solution to quickly launch enterprise optimization solutions that expand the Internet of Things. Optional features include embedded component SIM (MIM) and a cloud based SensorLogic application enablement platform that enable out-of-the-box M2M communication reducing integration complexity and Total Cost of Ownership. Like all Cinterion products, the SMART 3G gateways come with full type approval (FTA) and are certified by the largest carriers worldwide.

## Cinterion® 4G IoT Gateways Features

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### General Features

- 3GPP Rel.7 Compliant Protocol Stack
- Multi Band LTE Cat1 3G, 2G depending on variant
- SIM Application Toolkit, letter class "b", "c", "e"
- Control via standardized and extended AT commands (Hayes, TS 27.007 and 27.005)
- TCP/IP stack access via AT command and transparent TCP services
- Secure Connection for client IP services
- Internet Services TCP/UDP server/client, DNS, Ping, FTP client, HTTP client
- PoE - Power over Ethernet, optional

- Supply voltage range 8 – 30 V
- Dimension: 115 x 86 x 26 mm (incl. connectors)
- Weight: approx 130g
- Operating Temperature: -30 °C to +65 °C

### Specifications

- LTE Cat.1 data rates  
DL: max. 10.3Mbps UL: max. 5.2 Mbps
- HSPA+ Cat.8 (E-UTRA) data rates  
DL: max. 7.2 Mbps, UL: max. 5.76 Mbps
- GPRS Class 12 data rates  
DL: max. 85.6 kbps, UL: max. 85.6 kbps
- SMS text and PDU mode support

## Thales in IoT: Driving digital transformation with the power of the IoT