

Data Sheet

Utimaco LIMS™ Gateway



LI Media Gateway

The new Utimaco LIMS Gateway is a powerful, yet cost-effective media gateway appliance fully integrated with the Utimaco Lawful Interception Management System (Utimaco LIMS™).

The LIMS Gateway converts intercepted calls between SS7/ISDN and VoIP networks. It supports all common voice codecs including transcoding and protects calls by comprehensive access control and encryption features.

In combination with Utimaco LIMS the gateway mediates intercepted calls in compliance with common LI standards, such as ETSI TS 102 232-5 and TS 101 671.

Applications

- Convert calls from SS7/ISDN to VoIP
- Convert calls from VoIP to SS7/ISDN
- Transcoding VoIP to VoIP
- Transcoding TDM to TDM
- Call recording, call buffering
- Standards based handover interface to LI monitoring center

Benefits

Costs:

- Cost-efficient turn-key appliance
- Avoid costly network upgrades and changes at the LEMF

Flexibility:

- Large range of protocols and voice codecs
- Scale up to hundreds and thousands of concurrent calls
- Multiple use cases and network environments

Compliance:

- Fully compliant to common LI handover interface standards

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Product Models

Art. No.	Model	Links
LIMS-GW-04	LIMS Gateway with 4 x E1/T1, incl. transcoding, 1U	4 x E1/T1, 2x 1000Base-T, up to 16 signaling links
LIMS-GW-08	LIMS Gateway with 8 x E1/T1, incl. transcoding, 1U	8 x E1/T1, 2x 1000Base-T, up to 16 signaling links
LIMS-GW-16	LIMS Gateway with 16 x E1/T1, incl. transcoding, 2U	16 x E1/T1, 2x 1000Base-T, up to 16 signaling links
LIMS-GW-32	LIMS Gateway with 32 x E1/T1, incl. transcoding, 2U	32 x E1/T1, 2x 1000Base-T, up to 16 signaling links

Specifications

Dimensions:

- 1U: 480.4(W) x 474(D) x 44(H) mm; 19"(W) x 18.7"(D) x 1.7"(H)
- 2U: 482(W) x 441.6(D) x 88.4(H) mm; 19"(W) x 17.4"(D) x 3.5"(H)

Power:

- 1U: 2 x 250W, 230V AC
- 2U: 2 x 350W, 230V AC

Certifications:

- CE, FCC, UL, ROHS compliant

Features

PSTN and VoIP protocols:

- SS7 ISUP signaling with several national variants (ITU, ANSI, Bellcore, UK, China, India and Russia)
- ISDN (ITU, ETSI, ANSI)
- SIP, RTP
- SIGTRAN M2UA
- H.323
- Megaco/H248
- SCTP

Transcoding:

- G.711
- G.723.1
- G.726
- iLBC
- G.729AB
- GSM
- G.722
- AMR
- G.722.1
- T. 38 Fax Relay

Echo Cancellation:

- G.168-2002 with 128ms tail

DTMF Detection and Generation:

- RFC2833 Tone relay
- In-band
- DTMF detection and generation

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Since 1994 Utimaco has been developing lawful interception and data retention systems for telecom operators and Internet service providers. Utimaco's carrier-grade systems enable real-time monitoring and long term data retention in public telecommunication networks. The systems interface with essentially all common network technologies and communications services. Utimaco is the preferred partner of many of the world's leading network equipment vendors. With around 250 installations in over 80 countries, Utimaco is a leading global supplier in the Lawful Interception and Data Retention market. Utimaco participates in LI standardization and supports international standardization institutes and industry associations, such as, ETSI, 3GPP, ANSI/ATIS, and Bitkom.

Customers and partners value the reliability and long-term investment security of the Utimaco security solutions. Utimaco stands for recognized product quality, user-friendly software, excellent support, and products that effectively meet market requirements.

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