



GLU300

Tactical Gateway Line Terminating Unit

The basic characteristics are:

- Gateway access for tactical and infrastructure networks
- Line adaptation between delta- and PCM systems
- Ruggedised for 19" rack mount and field deployment
- Complies to EUROCOM, NATO and ITU standards

GLU300 can offer:

- EUROCOM B to STANAG 4206/4210 conversion
- EUROCOM B to ITU G.703 conversion

Tactical Gateway Line Terminating Unit GLU300

GLU300 performs the line adaptation for two multichannel gateways between networks based on different standards. Adaptation can be between EUROCOM networks and NATO multichannel gateways or ISDN networks.

The two parts of GLU300 converts independently between EUROCOM based and NATO/STANAG networks, and between EUROCOM based and PCM/ITU G.703 networks.

Depending on the functionality of the switching system, GLU can be utilised for establishment of fully integrated gateways according to ISDN PRA or just transit trunks through backbone networks.

Basic functionality of GLU are physical line adaptation, clock regeneration and use of the same connection/connectors as the respective systems.

GLU300 is ruggedised to operate in at tactical environment, and can be located in an optimal position related to your gateway access point. This includes direct mounting in 19" racks for jeeps and tracked vehicles or stationary shelter installation.



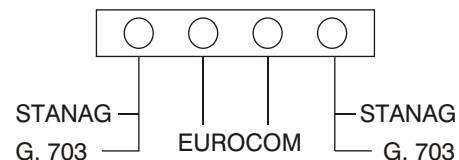
Technical Specifications

Functional Characteristics

GLU300 is an interconnection between tactical communication systems based on EUROCOM B and STANAG 4210, and for interconnection between EUROCOM B systems and PCM based networks based on ITU G.703.

Main features of GLU300 are:

- Direct connection to one or two TDM ports on tactical switch, EUROCOM B
- Direct connection to 75 ohm coaxial or 120 ohm twisted pair for G.703 at PCM switch
- Electrical signal conversion and cable adaptation for EUROCOM B to ITU G.703 and EUROCOM B to STANAG 4206/4210
- Ruggedised design for direct 19" mounting in jeep or tracked vehicle.
- Selector switch at front for choosing conversion mode
- Two independent line terminating functions in a 19" rack mount enclosure



Physical and Electrical Characteristics

GLU300 is designed for direct installation in a standard 19" rack.

Overall dimensions:

Width:	482.6 mm (19")	Temperature range, operation:	-40° to +55°C
Height:	44.4 mm (1.75")	Temperature range, storage:	-55° to +70°C
Depth:	175 mm	EUROCOM B bit rates:	256, 512, 2048 kb/s
Weight:	Approx. 3 kilo	STANAG 4210 bit rates:	256, 512 kb/s
Power:	Nominal 24V DC, automatic adaptation between 20V toDC. Nominal consumption: 5W	ITU G.703 bit rate:	2048 kb/s
		STANAG 4210 range:	2 km (4-wire WD-1/TT)

THALES

THALES Communications

P.O. Box 22 Økern ~ 0508 Oslo ~ Norway ~ Phone: +47 22 63 83 00 ~ Telefax: +47 22 63 79 44
www.thales-communications.no ~ info@no.thalesgroup.com