



MLT300

Tactical Multi Line Terminal

MLT300 can offer:

- Easy access to basic features by just "one touch"
- Cascading of up to 8 MLTs for work sharing
- Full duplex intercom in cascade mode
- Full duplex conference in single mode
- Parallel headset/handset operation with toggle switch
- Parallel phone call and CNR monitoring with split headset
- External loudspeaker interface
- Alpha-numeric display with 2 lines each of 24 characters
- Standard 2 wire network interfaces with DTMF signalling

Tactical Multi Line Terminal MLT300

MLT300 is a communication terminal with easy access and flexible monitoring of 6 communications channels, either telephone or radio circuits. Up to 8 MLTs can be connected in cascade, enabling the same communications resources to be shared between several users.

MLT300 provides full control of the communications resources with just one panel mounted terminal in an optimal position at your work desk or in a combat vehicle. Basic functionality of the MLT is to enable handling and monitoring of several communications channels, both radio and telephone.

The MLT300 is autonomous and network independent, without the requirement for a central control unit.

In cascade mode operation the MLT provides efficient and flexible work-sharing between

several communications positions. Typical applications are within and between command post vehicles. A mixture of telephone and CNR operation and monitoring can be shared between operators. Different line status conditions for busy / monitoring are displayed by LEDs on all terminals.

In single mode operation the MLT is used for handling multiple communication media, telephone and CNR, from a single position. It is the advanced user terminal for handling of high traffic load and to establish full duplex

communication between the operator and several external lines.

MLT300 is network independent and can be connected to any type of standard telephone network. Simultaneous connection to different networks such as tactical/EUROCOM and infrastructure-/PCM or PTT is possible. Depending on the actual deployment this feature will increase the autonomy and the total communications capability in the field.

Modes of operation

The MLT can be configured to operate in:

Cascade mode

- All MLTs sharing the same connections to external networks.
- Up to 8 MLT in cascade.



Single mode

- Advanced telephone with multiline access.
- Full duplex conference may be set up between any combination of lines to external networks, including the MLT operator.



Facilities

- Monitoring function. Any combination of external or intercom lines may be monitored.
- Active lines may be put on hold.
- EUROCOM compatible pressel signalling for half duplex conference and other half duplex network (e.g. CNR networks.)
- Split headset for separation of monitored and active channels.
- Separate volume control for active calls and monitoring.
- Status indication on all lines, incoming call/active/onhold/ monitored. Signalling of

Technical Specifications

incoming calls may be only visual or visual and audible, configurable locally in the MLT for each line.

- One touch dialling by activating hotline programmed in the MLT.
- One touch dialling by activating hotline programmed in the tactical switch.
- Up to 20 abbreviated numbers locally programmed in each MLT.
- Audio output to external loudspeaker for the monitoring function.
- Common audio output for recording off traffic on all lines.
- Audio input to headset/handset from PC/WS.
- Luminescence on all keys.

Local Control

- Configuration of MLTmode (cascade or single mode)
- Configuration of external lines
 - * Telephone or CNR interface
 - * Visible only or audible and visible signalling of incoming calls
 - * Hotline
 - * Programming of abbreviated numbers
- Control of pressel signalling
- Adjustable backlighting of display.
- Light control of all LEDs.

External interfaces

- Telephone network interface : 2 wire analogue CB interface with DTMF signalling
- CNR interface: 4 wire analogue interface (with line levels) with separate transmit request wire (PTT function).

Physical characteristics

Temperature:

Operation: -20°C to +55°C
Storage: -50°C to +70°C

EMC:

MII-STD 461C / 462

EMP:

IEC 801-2 Part 4

Dimensions:

Width: 160mm
Height: 160mm
Depth: 94mm

Installation:

Panel mounted
All cabling on rear panel

Weight:

Approx. 1.8 kg.

Power inlet:

11-32 VDC

Power consumption:

10 W maximum (master in cascade)
3W typical (single/cascade mode)

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