

## OFFERING VOIP COMMUNICATION AND CONTROL FOR NAVAL USERS

- ▷ Full range of terminals from light to high grade solution
- ▷ Ergonomic design for external and internal secured communications
- ▷ Several simultaneous communications capabilities



RADIOCOMMUNICATION PRODUCTS AND SOLUTIONS

## NGIN Terminals

Naval Voice over IP Audio User Terminal





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### Naval Voice over IP Audio User Terminal

#### Full range of terminals

Three terminals allowing internal/external communications, on all kind of ships or ground stations.

- Simple and intuitive functions:
  - Access to internal communications: point to point, conferences, alarm/broadcast
  - Access to external communications: radio, telebrief, satcom...
- Several simultaneous communications
- Authenticated access with user login and password
  - Including "Follow-me": the user directories follow a user that moves from a terminal to another terminal
- Colour display with resistive touch panel

#### Audio User Terminal (AUT)

The Audio User Terminal (AUT) is certified CC EAL4 solution allowing highly secured communications.

- Several versions and options are available to ease physical integration: Standard (IP65), Waterproof (IP68), NVG (for Night Vision Goggles use), Horizontal version, PoE, fiber optics, simple or dual IP connection
- Up to 12 communications can be monitored simultaneously
- Advanced radio communication functions: radio equipment parameters remote control, radio-relay function, plain-cipher switching, main/back-up radio chain switching in case of radio redundancy
- Microphone dedicated to one communication at a time or in parallel on several communications
- Advanced audio means settings: left/right ear, internal/external speaker can be set independently for each communication
- High security: includes EAL4 common criteria certified marking solutions (called ISI) allowing multi-level security communications
- Compatible with multiple accessories: wireless, anti-noise or waterproof headset, microphone, loudspeaker, PTT foot command, flashing light, etc...
- User configuration by software (MMI, 6 or 12 communications)

#### Light Audio User Terminal (LAUT)

The Light Audio User Terminal (LAUT) is a compact solution allowing easy integration and use:

- 3 versions: desk, wall-mounted and console
- Power Over Ethernet (PoE) supplied
- 4 communications can be monitored simultaneously
- Microphone dedicated to one communication at a time
- Audio means settings: left/right ear, internal/external speaker
- Authenticated access with user login and password
- Compatible with multiple accessories

#### Wireless Audio User Terminal (WAUT)

The Wireless Audio User Terminal (WAUT) is an on-the-move solution based on the same software as the LAUT, using a secured Wifi connection with NGIN network.

#### Main Features

##### AUT

Power consumption: 30W

Dimensions (WxHxD): 155x282x130 mm

Screen dimensions: 132x99 mm

Integrated Speaker, Micro and PTT button

Connectors:

- **Front:** LEMO standard front connector for external micro and/or headset
- **Rear:** Ethernet, power supply, auxiliary connection for accessories (loudspeaker, flashing light, Anti Larsen...)

RAL 7038 colour

Standard VoIP signalisation protocol: H323

##### LAUT

Consumption: <16W

Dimensions (WxHxD): 100x280x66 mm

Screen dimensions: 3,5"

Integrated Speaker, Micro and PTT button

**Waterproof keypad with controls:** push-to-talk, volume settings (+/-), menu selection, page selection (right/left), communication release

Connectors:

- **Front:** LEMO standard front connector for external micro and/or headset
- **Rear:** RJ45 for Ethernet and Power (PoE), auxiliary connection for accessories

RAL 7038 colour

SIP standard VoIP signalisation protocol

##### WAUT

Dimensions (WxHxD): 200x 94x36 mm

Weight: 690 g

Fitted with an adapted waterproof headset with PTT

802.11 Wifi connection

Can be integrated in a waterproof bag

##### Common characteristics

CE, RoHS, WEEE

IP Grade: IP65

Temperature:

- **Operating:** -10°C, +55°C (MIL-STD 810E)
- **Storage:** -25°C, +70 °C

Humidity: 95% / 35°C non condensing

Vibrations: MIL-STD 810E method 541-4

Choc: mine explosion & MIL.STD.810E method 516.4

EMC: MIL-STD 461E, EN 55022, EN 60945, EN 61000

**Particularity to the waterproof version:** IP68, MIL.STD.810E  
Spray and Sun resistance