SOTAS
Tactical User Station
Brings C4ISR capabilities to the user
Two variants, one goal

**TAUS – Tactical Advanced User Station**
The TAUS offers an easy to use, intuitive menu driven user interface in full colour, providing access to all SOTAS services.

**TUS – Tactical User Station**
The TUS offers a rotary switch user interface, providing access to predefined services, usually intercom and radio selection.

**Communications at All Levels**
The SOTAS User Stations support communication between all members in a network, be a single vehicle, multivehicles, a command post or to the headquarters. SOTAS users can individually select multiple communications channels (intercom, radios, VoIP telephone, ...) for working and/or monitoring.

**Intercom and Combat Net Radio Access**
- On-board intercom
- Communications between vehicles (group calls, point-to-point)
- CNR and SDR Radio shared access via PTT (monitoring and speaking)
- Access to CNR radios from another vehicle, via the network
- Voice over IP telephone functionality, based on SIP
- Contacts / Phone list, based on LDAP
- Radio Rebroadcast / Relay, connects different bands/channel/manufacturer radios together
- Radio Silence, control the system
- Hands-free communications, thanks to VOX (Voice-Activated) algorithm

**All sorts of devices**
All kinds of audio devices can be connected to SOTAS, including:
- (ANR-) headdsets from all major vendors
- All CNR radio types (VHF, HF, UHF)
- Loudspeakers
- iPod® and other MP3 players

**Longer missions**
The SOTAS Dynamic Noise Reduction significantly reduces battle fatigue and stress by eliminating the vehicle noise and offering amazing speech clarity. Intelligibility is further enhanced by the 3D presentation of audio (to binaural headphones), especially when listening to multiple audio sources simultaneously.

SOTAS enables users to be more effective, during longer missions.

**Technology Highlights**
- Ethernet connection to the system
- Power over Ethernet (over the same Ethernet cable)
- Full VoIP / SIP compliance
- 2 (stereo) users per User Station (possibility to connect up to 3 (mono) users)

**Connectors**
- 2x stereo Audio/Data connectors, for devices such as headsets, radios or loudspeakers
- 1x System connection (Ethernet, with Power over Ethernet)

**Audio Characteristics**
- Up to 3 audio inputs (+1 line in) and 4 audio outputs
- Super Hi-Fi Stereo audio (broadband and uncompressed, for superior quality and intelligibility)
- Dynamic Noise Reduction for extra comfort and longer mission time
- Provision of ANR power to headsets and active loudspeakers
- Voice activation for hands free operations
- 3D positioning of audio sources, for clarity, comfort and natural sound representation.

**Data Characteristics**
- 1x Ethernet (electrical) 10/100 Mbps
- 1x Serial RS232 asynchronous
- General purposes IO, for alarms

**User Interface**
**TAUS**
- 3.5” TFT display, with thousands of colors
- Multi-functional buttons
- Specific buttons: brightness, volume, emergency.

**TUS**
- Rotary Switches
- Pre-programmed channel selections
- Volume regulation per user

**Power Input**
- Power over Ethernet (IEEE 802.3 AT), from SOTAS TNN or COTS Ethernet switch
- Designed to meet Tempest requirements.

**Physical**
- Weight: 1.4 kg
- Dimensions: 140 x 140 x 66 [mm] (WxDxH)
- Dissipation: max. 15 W

**Environmental**
- MIL-STD-461 F (Ground Army)
- MIL-STD-810 G (tracked and wheeled shock/vibration; A/B/C climatic zones)
- Water-tight: IP-67 compliant (IEC 60529)
- MIL-STD 1275 (Military Vehicle power, filtering)
- CE compliant

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