

L-3's VTT7700 provides secure tactical services via IP in MarCom Integrated Voice Communication Systems

PRODUCT DESCRIPTION

A single VTT7700 replaces multiple separate user voice terminals to provide intercom, telephone services, radio nets, interior nets, and announcing & alarm system access. Both classified and unclassified traffic is handled securely by the VTT7700 and MarCom IVCS.

The VTT7700 employs a Transparent Touch Screen overlay on a color Liquid Crystal Display, providing a flexible Human Machine Interface. Platform integration efforts are reduced by replacing custom cable runs with a commercial IP network infrastructure.



APPLICATIONS

- Ships, Subs, & Command Centers
- Navy and Coast Guard
- Tactical positions with demanding comm needs

FUNCTIONS

- Mix of PBX and tactical services
- Intercom, nets, interphone, announcing and PSTN
- Secure/clear radio communications

KEY FEATURES	CORRESPONDING BENEFITS
• Simultaneous multiple-channel monitoring while active on another channel	• Increases situational awareness of operator by increasing the amount of information available
• Graphical color interface programmable to suit the needs of each operating position	• Tailoring to the position improves ease of use and reduces training requirements
• Variety of external headsets, handsets, push-to-talk footswitches, and speakers supported	• Ancillary items match the environment and operating style of each position
• Up to 20 single-action keys can be programmed for frequently called circuits	• Improves response times for operator to initiate communications
• Compliance with commercial standards such as Assured Services-Session Initiation Protocol (AS-SIP), Secure Real-Time Transport Protocol (SRTP), and Advanced Encryption Standard (AES)	• Robust network security utilizing layered techniques within MarCom IVCS, the VTT7700, and the commercial hardware and software comprising the VoIP network
• Interoperability with commercial standard SIP phones as well as all MarCom IVCS terminals	• Enables new platforms to rely primarily on IP networks for voice communications while retaining all existing options
• Brightness control includes monochrome night vision mode	• Compatible with Night Vision Goggles

Bringing VoIP and touch screen to MarCom IVCS

APPLICATION CONSIDERATIONS

- Designed for flush mounting into consoles as well as enclosures for mounting on fiddleboards, bulkheads, and pedestals
- VTT7700 enables simultaneous access to multiple circuits, access to radio nets, and access to classified voice
- MarCom IVCS provides the VTT7700 access to every voice source and service in the IVCS system subject to Classmark and Class of Service restrictions contained in a configuration database



KEY SPECIFICATIONS

- Environmental
 - Temperature: Operating: 0C to 50C
Non-operating: -40C to 70C
 - Humidity: 5% - 95% RH w/o condensation
 - Operational Shock: MIL-STD-901, Grade A, lightweight
 - Operational Vibration: MIL-STD-167 (5-55 Hz)
 - EMI: MIL-STD-461
- Physical
 - Color: Black Anodized
 - Weight: 8 lb. max
 - Case Size: 5.44" W X 7.5" H X 4.0" D
 - Front Panel Size: 7.5" W X 7.5" H X 1.0" D
- Electrical
 - Power: Power over Ethernet, IEEE 802.3af
 - Signal: 100BaseT wired Ethernet, IPv4 & IPv6
- Security
 - Meets appropriate crosstalk and emanations criteria

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