iCON TACTICAL VOICE TERMINAL

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Full iCON Nano Performance with Customized Architecture for Tactical Deployments



Description

The iCON TACTICAL VOICE TERMINAL brings the full operational capabilities, advanced VoIP voice processing, and radio control architecture of the iCON Nano into a ruggedized, space-optimized tactical form factor. While built on the exact same core functional engine as the iCON Nano, the iCON Tactical Voice Terminal stands out through its adaptable physical structure and mounting flexibility. We can customize the exterior chassis, mounting configurations (such as wall-mount, hanging, panel-integration, or vehicle console fitting), and hardware interfaces to precisely meet your space requirements, environmental constraints, and specific operational needs—without compromising on reliability or performance.

SPECIFICATION

VoIP Standard	EUROCAE ED-137
Radio Control Protocol	Serial, SNMP
Audio Codec	G.711, G.729
Handset/Desktop Connector	RJ45
Ethernet Connection	100/1000
Wifi Connection	Wifi 6
Internal Speaker Power	5 Watt
Time Reference	Hardware clock, NTP
System Memory	8 GB
Internal Storage	250 GB
Recording Capacity	More than 60 days
Hardware Platform	Jetson Orin Nano
Processor	ARM Cortex-A78AE 6-Cores @ 1.5GHz
GPU	CUDA 512 Cores, Tensor 16 Cores
Operating System	Linux
Power Input	9-30 VDC
Mechanical Dimension	250 × 160 × 75 mm

4 VoIP Radio Channels
Supports 4 simultaneous VoIP radio channels.

7" QLED Touch Display
1024x600 capacitive touch screen with dark mode GUI.

Local PTT / Encoder
Front-panel local PTT and encoder control.

Network Connectivity
Gigabit Ethernet for reliable data and remote control.

Audio I/O
Built-in microphone and speaker with headset & handset connector.

Web-Based Monitoring
Embedded web server for monitoring and configuration.

Thermal Management
Thermal improvement for outdoor application

Internal Storage
Built-in 250 GB internal storage for event logs and audio recordings.

Jetson Orin Nano Platform
NVIDIA Jetson Orin Nano hardware platform with Linux operating system and fanless passive cooling.

Event Logging & Audio Recording
Communication event logging and audio recording supports recording for more than 60 days.

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