

# ICON-NANO DATASHEET

iCon nano is a radio controller for radio communication systems such as security , public safety , amateur radio. The controller can control a radio transceiver parameter for many radio type and also it can connect voice signal from the controller to transceiver by modern VoIP technic.

## FEATURE

- Fully complied with EUROCAE ED-137 VoIP
- Radio control support Frequency,RF power,Squelch level,Modulation level
- Radio parameter display,RSSI,Frequency,TX power,VoIP
- 4 simultaneously VoIP radio channel
- Local PTT/Encoder
- Dark mode graphic user interface
- Nvidia Jetson Orin Nano computer hardware
- Linux operating systems
- Fan less passive cooling
- IPS LCD 7" with capacitive touch screen 1024x600 resolution
- Communication event logging and Audio recording
- Local configuration on the front panel touch screen GUI
- Embedded web server for monitor and configuration
- Supported codec G.711 , G729
- Gigabit Ethernet / USB connection
- Build-in Microphone and speaker
- External USB speaker
- External handset/headset connector
- 32 GB audio recording memory
- Hand set and head set side tone volume configurable



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## 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
USB Connection	USB 2
Internal speaker power	2 Watt
Time Reference	Hardware clock , NTP
OS memory	16 Gb
Systems memory	4 GB LPDDR5
Hardware platform	Jetson Orin Nano
Processor	ARM Cortex-A78AE 6-Cores @1.5GHz
GPU	CUDA 512 Cores , Tensor 16 Cores
Operating systems	Linux
Power input	9 - 30VDC
Mechanical dimension	130 x 90 x 50 mm



# IFZ iCON DATA SHEET



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