

iCON DATASHEET

iCon is a radio controller for radio communication systems such as Air traffic control , Radio communication. The controller hardware architecture base on Nvidia AI computer for modern graphic user interface software and can be implement a neural network into this controller. iCon can use with different radio transceiver manufacture because it can communicate any technique in EUROCAE ED-137 protocol.

FEATURE

- Fully complied with EUROCAE ED-137 VoIP
- EUROCAE SNMP radio control command for ATC radio
- Proprietary SNMP MIB file support
- Radio control function Frequency, RF power, Squelch level, Modulation level
- 10 simultaneously radio channel control up to 32 SIP URIs
- Balance E&M connection for non IP radio
- Radio inactive to active activation
- Dark mode graphic user interface
- Nvidia AI computer hardware
- Linux operating systems
- Fan less passive cooling
- IPS LCD 13 inch with capacitive touch screen
- 2k LCD resolution
- Embedded web server for monitor and configuration
- Supported codec G.711 , G729
- WiFi connection
- 1 x USB3 , 2 x USB2 connection
- Dual MAC address Ethernet connection
- Desktop and rack mounting
- Hand set and headset connector
- High power audio output
- 64 GB Recording memory
- Tested with R&S 4200 and Parker T6 series 2,3
- Dual power source 15-30 VDC and 110 - 230 VAC with AC adaptor

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SPECIFICATION

VoIP Standard	Eurocae ED-137
VoIP Connection	32 URIs
Radio Control protocol	Eurocae SNMP
Audio Codec	G.711 , G.729
LCD Resolution	1920 x 1080
LCD Type	IPS 13"
Analog Radio interface	RJ45 600 Ohm
Handset connector	RJ45
Headset Connector	Limo 8 pin , 10 pin
Ethernet Connection	1 x MbE , 1 x GbE
Audio power	7 Watt
Time Reference	Hardware clock , NTP
Audio recorder memory	64Gb
WiFi Standard	802.11a/b/g/n/ac
Hardware platform	Jetson TX2
Operating systems	Linux Yocto

