TECHNICAL Data sheet

WE DEFINE THE IMPOSSIBLE

iGO

iGo is a portable repeater systems. It can work with many radio repeater manufacturing such as ICOM KENWOOD MOTOROLA and it compatible with analog and digital transmission. iGo come with Pelican hard case to use repeater any environment.



SPECIFICATION

VoIP Standard	EUROCAE ED-137
VoIP Connection	8 URIs
Radio Interface	AM , FM , D-Star , DMR
RSSI ADC Resolution	12 Bit
Audio Compression encode/decode	AMBE +2
Local Display	1024x600 7" LCD
Touch screen type	Capacitive
Ethernet Connection	RJ45 100/1000
TDD-LTE/FDD-LTE uplink	50 Mbps
TDD-LTE/FDD-LTE downlink	100 Mbps
VPN Protocol	Open VPN
Antenna connector	N-Type female
DC Output voltage	12 - 15 VDC
Max Current Output	60 Amp
DC input voltage	10 - 15 VDC
AC input voltage	90 - 264 VAC
Case material	Polypropylene
Mechanical Dimension	56x45x26 cm

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FEATURE

Fully complied with EUROCAE ED-137 VoIP
Transceiver or repeater operation mode
RS232 Radio control command
Radio control function Memory CH, RF power, Squelch level
Radio parameter display RSSI, TX power, VSWR, Temperature
8 Host connection
Radio RSSI ADC reader
Built-in RF Directional to read RF power and V.S.W.R.
Logarithmic detector for high accuracy RF measurement
Internal precise RTC with NTP synchronization
Built-in GPS position tracking
Best signal selection capability
Supported codec G.711 , G729
AC Line and DC operation with automatic changer
Radio DC load current limiting and short protection capability
Embedded web server for monitor and configuration
SNMPv3 for RCMS Host interface
Gigabit Ethernet connection
Local microphone connection
Built-in loudspeaker
Nvidia Jetson Nano hardware platform
Linux Operating systems
VPN Capability
Multi-band 4G communication
Long life DC brushless blower temperature controller

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