IP Nerves

Two Way IP Emergency Calling Box (ECB)

Model No. IPN-IP10

At a Glance

- The Emergency Calling Box (ECB) is specially designed for adverse environments. It's rugged, weatherproof metal housing along with a high-power amplifier and low power consumption makes it ideal for handling emergency calls on Highways, Cities, Mines etc.
- This Device works on SIP protocol which makes the voice audible even in noisy environments
- System provides the facility to record calls at a Central Control Room. The Software allows multiple features such as Call hold, call Logs.
- The Control Room Application is integrated to an Incident management System for auditable disposition of Emergency notified by the Caller.
- ECB's can be located on the GIS map with all possible information on the Operator Screen related to the location & type of Incident, using which proper aid can be provided.
- It can automatically transfer a call to a pre-configured telephone number if the other pre-fed numbers are not available/reachable or, simply busy
- Easy GUI interface for better user understandability and for easy operation.
- Advanced Built-in Self Tests for monitoring purposes.
- LED indication for ECB status, call Ringing, call connected and call waiting.
- Standard & Advanced vandalism monitoring/protection measures using Door-Switch & Accelerometers for abnormal vibration detection

ECB TECHNICAL SPECIFICATION

Application	Outdoor
IP Rating	IP65
Ethernet I/F	10/100 Mbps
Protocol	SIP RFC 3261 Compatible
Audio Codec	G.711 a-law, G.711µ-law, G.722
Operating Voltage	220 AC / 12 VDC
Temperature Range	0 to + 60 ℃
Speaker amplifier	6 W Class B
Communication Type	Half Duplex Communication
Operating System	Linux
Interface	TCP/IP 10/100 Mbps
Maximum ECB power consumption	10 watts
ECB Box material	Mild Steel with Yellow powder coating

ECB System

Location 2 ECB Unit

Location 1 ECB Unit

Road Network

Location 3 ECB Unit

Control & command Center

ECB Computer + Phone	Server	DB

- Registers the calls Received
- Allows answering the calls

- Handles detected ECB calls and publishes the event to the GIS map

Store ECB Calls History