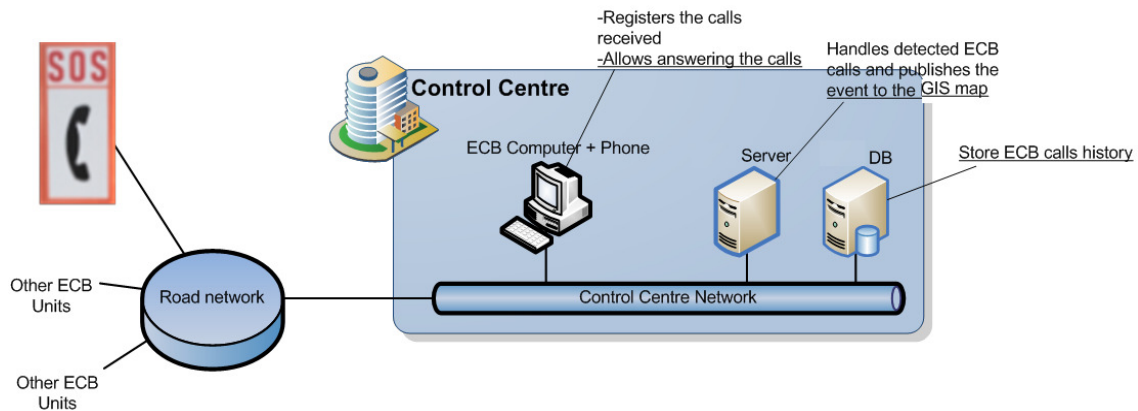


# EMERGENCY CALLING BOX (ECB)

## TECHNICAL DATASHEET



### ECB System



### At a Glance

- The Emergency Calling Box (ECB) is specially designed for adverse environments. It's rugged, weatherproof metal housing alongwith 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 and battery status of the field unit.
- 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.
- Optional Value Adds: Bluetooth based traffic monitoring & flow detection, Machine Learning based audio classification for vandalism and traffic monitoring, 2-level audio interface for disabled friendly operations



## ECB TECHNICAL SPECIFICATION

S.No	Parameter	Specification
1	Application	Outdoor
2	IP Rating	IP65
3	SFP Working range	From 500 Meter to 20 KM as per the requirement
4	Operating Voltage	12 VDC
5	Temperature Range	0 to + 60 °C
6	Network Interface	Standard: Optical fiber patch cord (LC-LC) Optional: GSM/3G/4G
7	Power backup	Standard: Upto 3 days Optional: Upto 7 days
8	Speaker amplifier	10 W Class B
9	Communication Type	Full Duplex Communication
10	Operating System	Windows CE
11	Interface	Standard: Fibre/Ethernet (TCP-IP) Optional: Over GSM/3G/4G
12	Solar panel	Standard: 1x 50 watts Optional: 1x 125 watts
13	Battery Backup	Standard 3 days: 2x26 AH Optional 7 days: 4x26 AH
14	Maximum ECB power consumption	10 watts
15	ECB Box material	Mild Steel with Yellow powder coating
16	Make	VaaaN
17	Model No.	PD2200000

