E5 SERIES
New POCSAG Paging Solution

Innovative Application for Emergency and Rescue Paging Service

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Unication has injected a new life to the paging products…

E5 (BOS) Alpha pager from Unication will replenish it using GSM/GPRS for its 2-way communication system. With auto setting for the Console, it will know in a timely manner if a message has been received, read and even what response the receiver has (reaction) to this message, these functions will completely change the paging system's history.
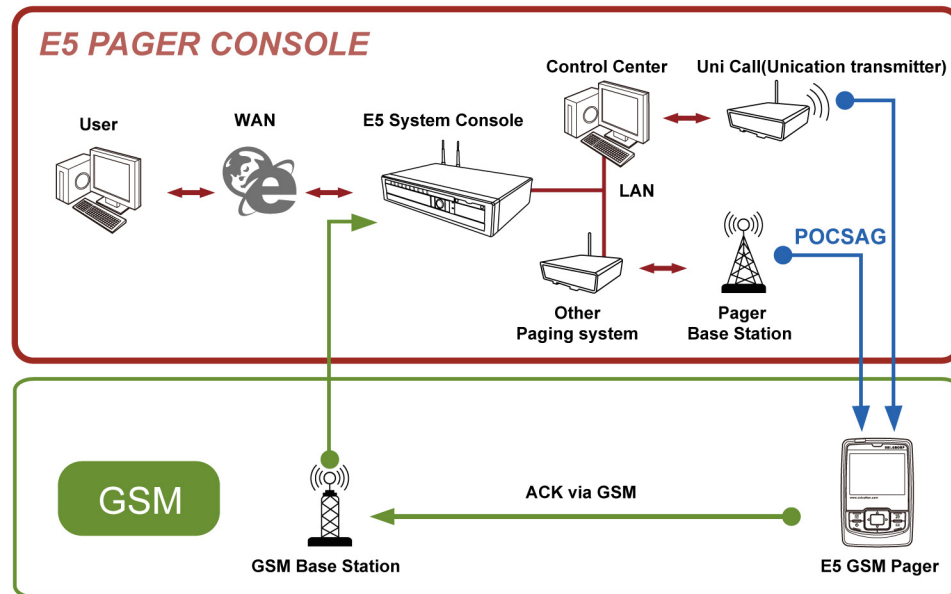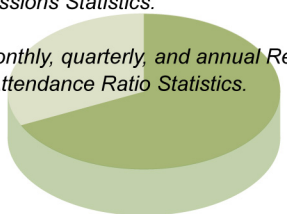
3 Types Message Acknowledgement

To work with E5 GSM pager,
E5 Console provides 3 auto. responses as listed below:
- **Received Ack.**
  - to verify a message has been received.
- **Read Ack.**
  - to verify a message has been read.
- **Response Ack.**
  - A menu of canned messages will be sent for the receivers to respond.

Attendance Statistics & Analysis

Personnel from the dispatch center can request responses from E5 pager carriers (users) by using GSM/GPRS. With these responses, E5 Pager Console then can further continue to do a statistic and analysis to facilitate the paging efficiency.

1. Comparison Pie Chart of the needed number and the real number of attendance for a rescue mission.

2. Monthly, quarterly, and annual Rescue Missions Statistics.

3. Monthly, quarterly, and annual Rescue Attendance Ratio Statistics.

E5 PAGER CONSOLE

Control Center
Uni Call(Unication transmitter)
User
WAN
E5 System Console
LAN
POCSAG
Other Paging system
Pager Base Station

GSM
ACK via GSM
GSM Base Station
E5 GSM Pager

Web-base User Interface

E5 Pager Console has incorporated the latest technologies from the network, the webpage, and the mobile phone into this dispatch system. This dispatching work is no longer confined to locations, the dispatchers can move along with the rescuers to login E5's paging Console dispatching system to do monitoring and arrange necessary dispatches via internet.

On-Line Auto Detection

E5 Pager Console can send scheduling message to the E5 pager. A "Received Ack." allows the center to know a message has been received by a pager, if there is no response from a pager after several sending trials, this pager will be considered "Out of Range". This will improve mission efficiency. No more time-wasting on sending blindly commands.

Telemetry Remote Control

Some peripheral equipments might be needed in a rescue operation besides a cooperation among personnels.
Now, E5 Console can assign OTAC command to control the external device which is connection to the E5 charger to save more time on rescue but not manually operation on the electrical equipments.

Message Acknowledgement (ACK) & Confirmed

Integrating with GSM/ GPRS module into POCSAG alerting, the rugged pager now enables its alert recipient to send an acknowledgment if a task or operation can be carried out.
3 types of Acknowledgment are supported:

- RECEIVED ACK
- READ ACK
- RESPONSE ACK

Paging with Acknowledgement facilitates the dispatching efficiency.

Dual Frequency & Flexible

Reset on Profile selection, the receiving frequencies are adjusted automatically when signaling has changed. Programmable dual frequency provides an efficient, accurate and reliable alerting receiver to the public safety market.
Unication has combined two pagers into one!

Important Spec. & Features

- Up to 128 Capcodes
- 32 Profiles
- 32 Message Folders
- Multi-Profile
- Hand Programming
- Cell-phone like Operation
- 7-Color Backlight
- Volume Adjustment
- Function Status
- IP64
- 1.5M Drop Test
- OTAP Programmable
- Auto &Scheduling
- Data Backup

Encryption & Confidential

The security for data transmission has become very important in digital POCSAG paging. With 128bits AES Encryption, Unication's comprehensive program and sophisticated encryption algorithm has tied to the security and it is flexible by OTA.

Rugged Design & Durable

E5 Series with rugged design, it has passed IP64 water / dust proof tests, 1.5 meter drop test, is perfectly conducted in an extreme environment and a loud alert test is to make sure that a message can be heard under any situation.

Customized Backlight

E5 Series provides 7 programmable backlight colors as the best intuitive indication for the pager users to identify the importance level of each message without operating the pagers. A glance at the backlight color that displays on a LCD whiling receiving messages, the rescuers will know what to do next…

Accessories

- External Antenna
- Basic Charger
- Advanced Charger
- Holster
- Programmer
- Message Backup
- E5 Pager Console

Specification

Frequency	Basic Model	GSM Model
Channel Spacing	VHF (137 - 174 MHz) A Band Split 137 MHz - 148 MHz B Band Split 148 MHz - 161 MHz C Band Split 161 MHz - 174 MHz UHF (448 - 476 MHz) D Band Split 448 MHz - 462 MHz E Band Split 458 MHz - 470 MHz F Band Split 462 MHz - 476 MHz	
Baud Rate	20/ 25 kHz	
Sensitivity	512/1200/2400 bps	
Selectivity (dB)	3(uV/m)@512 bps 4(uV/m)@1200 bps 6(uV/m)@2400 bps	
Image Rejection	>55	
Spurious Rejection	>70	
Inter-Modulation Rejection	>55	
Frequency Deviation	+/- 2.5 KHz	+/- 4.5 KHz
Water/Dust Protection Level	IP 64	
BOS Compliance	DME II 38/10	DME II 41/10
Certifications	FCC/CE/RoHS	

E5 GSM Model Specifications

System	GSM - 850	DCS - 1800/ PCS - 1900
	GSM - 900	DCS - 1800/ PCS - 1900
Channel Spacing	80 MHz in EGSM 900	170 MHz in DCS
	70 MHz in EGSM 850	140 MHz in PCS
Power Supply	Pager Internal secondary Li-Polymer Battery 150 mAh Nominal Operating Voltage : 3.8 V Operating Voltage Range : 3.4 ~ 4.2 V	
Operating Temperature	-10°C ~ +50°C	