Auto-Exchanger System (MED-200)

IP Based PABX (Private Automatic Branch eXchange)
(MED-200), 64~2,000Extension, From 4-FXO, GPS Interface

- AUTOMATIC TELEPHONE SYSTEM.

The Auto Telephone System is a telephone exchanger with reliability and durability for marine use. Its design is based on the latest micro-computer technology to control the system. The Digital Integrated Communication System is designed to meet nowadays requirements for internal communications and shore communications on board ships.

In particular, trunk lines are available for such external communication devices (Inmarsat-F, VSAT, Mini-M, VSM) and can be interfaced to many different kinds of intercom stations, including IP and network telephones connected using PSTN gateway. The design of system is expandable from 16 extension lines to maximum 3,000 extension lines and more, in step of 16 lines. The types of phone for selection include flush mount, wall-mounted, waterproof, portable, explosion-proof and intrinsically safe (presence of explosive gases in the area of operation), and they can be connected with horn/bell/flashing light.

The system is tested according to IEC60945 and pending certificate for CE by DNV Registry.

Desk / IP-Phone

Wall Type Phone

Ex-Type Phone

ISO 9001 & OHSAS 18001 Certified

- Electric & Environment

-1. Power Source	: AC110/220V, 1Ø, 50/60 Hz
-2. Emergency Power	: AC or DC 24V (Ripple less than 5%)
-3. Power Consumption	: AC - less than 700VA
	DC - less than 10A (at 24V DC)
-4. Temperature	: -20℃ ~ +45℃
-5. Humidity	: less than 90%
-6. Certification	: Submitted

- Capacity & function of the System

1) Extension 64 + Trunk 4 ~ Extension 2,000 + Trunk 16, more
2) E1/PRI (Option): up to 2-cards more (per 30-ch)
3) Simultaneous Call: Max. 30/100/200-call
4) Paging call: 3-Groups to PA system
5) Priority call, group call and call pickup group
6) Call Detail Record (CDR)
7) Wake-up call
8) Call transfer, forwarding
9) Camp-on, Hot line
10) Add-on conference: 5-Party, 3-Group
11) IVR (Interactive Voice Response), T.30 (Real-time FAX)
12) Self ring testing
13) Power fails & Off-hook alarm
14) Handset hook fail alarm
15) Handset hook fail display
16) Main/emergency power automatic change & alarm display
17) Method for programming: Computer
18) Interface among VSAT and LAN/WAN network
19) Multi PABX QSIG service among the systems
20) Remote access via network and internet
21) USB, PC dual back-up memory
22) Network printer service
23) Time synchronization between master clock or GPS system
24) Internal NTP Server Function
25) Voice mail server and ARS service
26) Program password protection
27) Voip/Wi-Fi phone and soft phone (Options)
28) Video Phone & Smart Phone (Option)
29) Call accounting (Option)
30) Recording and playback for PAGA paging (Option)
31) One Number Multi Phone (IP-Mode, Analog-Mode)
32) Various application
33) Etc.

MRC CE DNV·GL

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IP Based PABX (Private Automatic Branch eXchange) (MED-200), 64~2,000Extension, From 4-FXO, GPS Interface

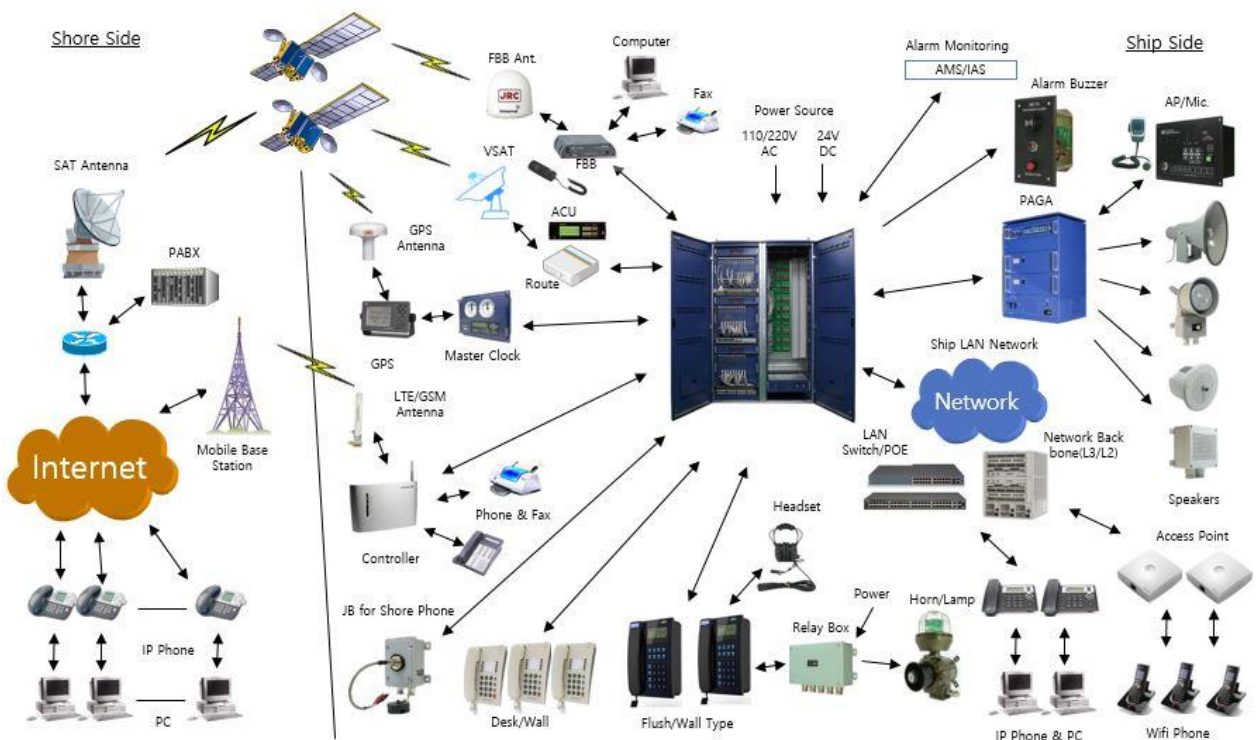## - Integrated Communication System

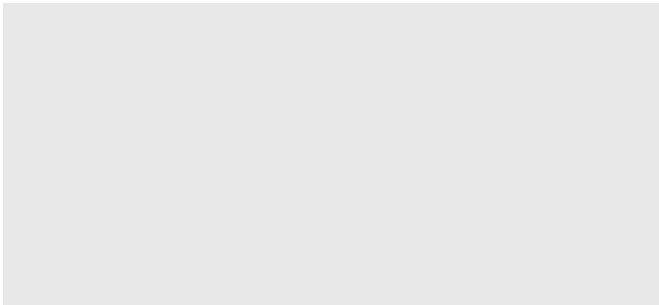|			
-1. PABX system	: Analog, IP, Wifi Phone using gateway	-3. Communal aerial system	: IP-TV, CCTV, TVRO, DVD & etc
-2. PAGA system	: Single or duplicated applications	-4. Master clock system	: Slave clock interfaced with GPS

- IP-PBX + AP / APC + FMC Client + Smartphone + PoE Switch

1. Internal/external wired & wireless-oriented environment by integrated network
2. Stable and high quality Data / Voice

IP PABX System Diagram (PABX/AP/FMC/Wireless)

Agent of MRC

ISO 9001 & OHSAS 18001 Certified.