MARINE RADIO CO.,LTD.

COMPANY INTRODUCTION / BUSINESS LINE   CERTIFICATE LIST   GLOBAL SALES & SERVICE NETWORK   ● PRODUCT DESCRIPTIONS   **13**   **14**   COMPANY INTRODUCTION / BUSINESS LINE   CERTIFICATE LIST   GLOBAL SALES & SERVICE NETWORK   ● PRODUCT DESCRIPTIONS

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PRODUCT DESCRIPTIONS

Auto-Exchanger System(MED-100)

IP Based PABX (Private Automatic Branch eXchange)(MED-100),
16~128 Extension, 8-trunk, GPS Interface

GENERAL DESCRIPTION

Auto Telephone System is an electronic telephone switchboard with reliability and durability to meet various needs occurring inside or outside the ship. It operates with the interface between the central exchange unit, which is a micro-computer controlled system, and telecommunication equipment. Particularly, the system is suited to connecting not only to the telecommunication equipment such as Inmarsat-F, VSAT, Mini-M, and VSM but also to the Internet protocols and network communications. This system contains a minimum of 24 extension lines up to 500 and the lines can be installed by 8 or 16 units. As for the type of telephone, flush, wall, portable, waterproof, explosion-proof, and intrinsically safe (Used for normal condition or in the area with the possibility of explosive gas in case of accident) types are available, which can be interfaced to Horn / Bell / Flashing Light. The Auto Telephone System was tested at the IEC60945 standard and is pending certificate for CE by DNV Registry.

System Features

- Extension 16 + Trunk 8 ~ Extension 128 + VoIP 72
- Max 200 users including (VoIP + Analog users)
- Interface among VSAT and LAN / WAN network
- Simultaneous Call : Max. 30-call
- Paging call : 3-Groups to PA system (Record & Playback) 6) Priority, Group call
- Call pickup function
- Wake-up call, Call transfer
- Call forwarding
- Camp-on, Hotline
- Add-on conference : 5 Party, 3 Group
- Self-ring testing
- Power fails & Off-hook alarm
- Handset hook fail alarm
- Main / emergency power automatic change & alarm display
- Method for programming at front of main PABX cabinet
- Time synchronization between master clock or GPS system
- NTP Server Function
- Program password protection
- Multi QSIG service among PABX systems.
- Remote Control and Monitoring by computer.
- IVR (Interactive Voice Response), T.30 (Real-time FAX)
- Programing (Computer, phone, Front panel)
- E1 Trunk (PRI), Option
- Video Phone & Smart Phone (Optional)
- ISDN Connection using gateway (Optional)
- VoIP using gateway (Option) Max. 200-extension
- Call accounting by serial printer (Optional)
- USB back-up memory, PC double back-up memory
- Recording and playback for PAGA paging (Optional)
- Interface among VSAT and LAN / WAN network using IP gateway (Optional)
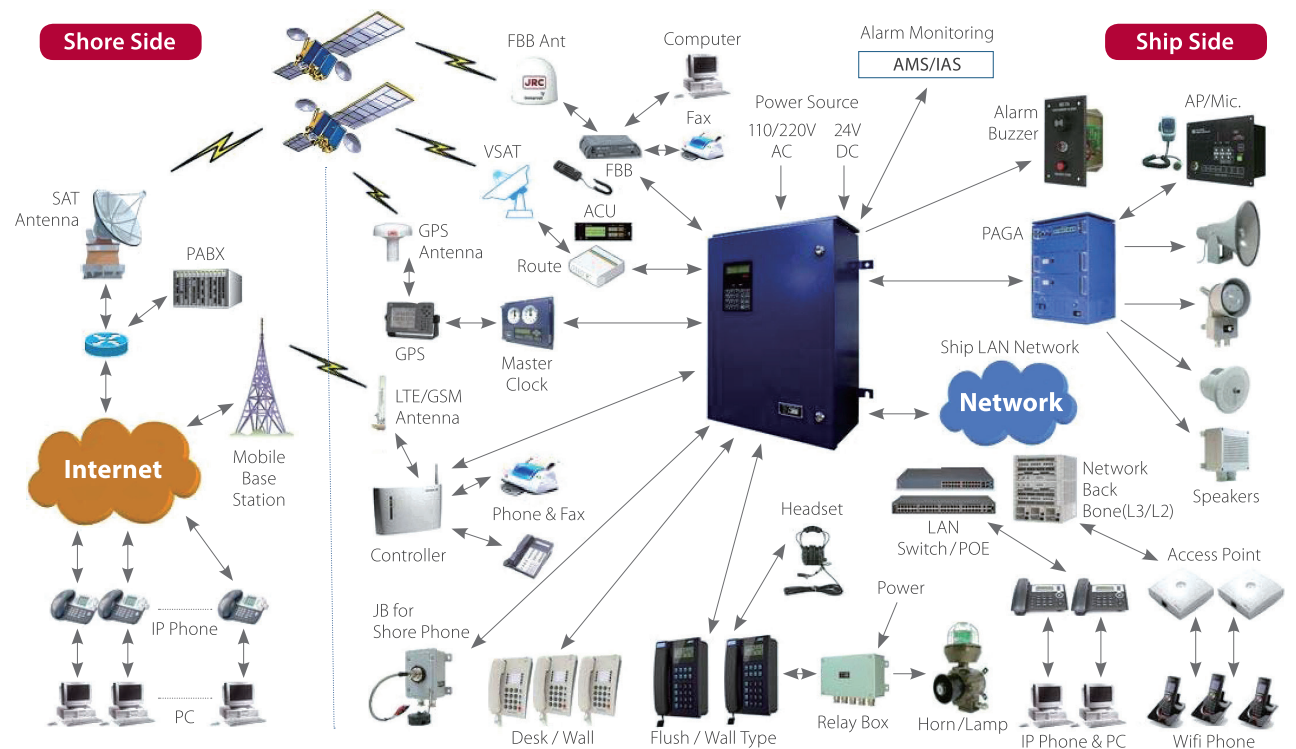- One Number Multi Phone (IP-Mode, Analog-Mode)
- Various application

Desk / IP-Phone   Desk / IP-Phone   Wall Type Phone

Wall Type Phone   Ex-Type Phone   Ex-Type Phone

PABX Main Cabinet

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 100VA
   DC - less than 5A (At 24V DC)
4. **Temperature :** -20℃ ~ +45℃
5. **Humidity :** Less than 90%
6. **Certification :** Submitted

Integrated Communication System

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

Shore Side   FBB Ant   Computer   Alarm Monitoring   **Ship Side**
AMS/IAS

VSAT   Fax   Power Source   Alarm   AP/Mic.
FBB   110/220V   24V   Buzzer
AC   DC
SAT   ACU
Antenna   GPS
PABX   Antenna   PAGA
Route
GPS   Master
LTE/GSM   Clock   Ship LAN Network
Antenna
Network
Internet   Mobile
Base   Phone & Fax   Headset   Network
Station   Back
Controller   Bone(L3/L2)   Speakers
LAN
JB for   Switch / POE   Access Point
Shore Phone   Power
IP Phone   Desk / Wall   Flush / Wall Type   Relay Box   Horn / Lamp   IP Phone & PC   Wifi Phone
PC

[Integrated Communication System (PABX/PAGA/Clock)]

Auto-Exchanger System (MED-100)