

Auto-Exchanger System (MED-100)

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



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°C ~ +45°C
- 5. Humidity : less than 90%
- 6. Certification : Submitted

- Capacity & function of the System

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

ISO 9001 & OHSAS 18001 Certified, for more information, visit www.mrckorea.com

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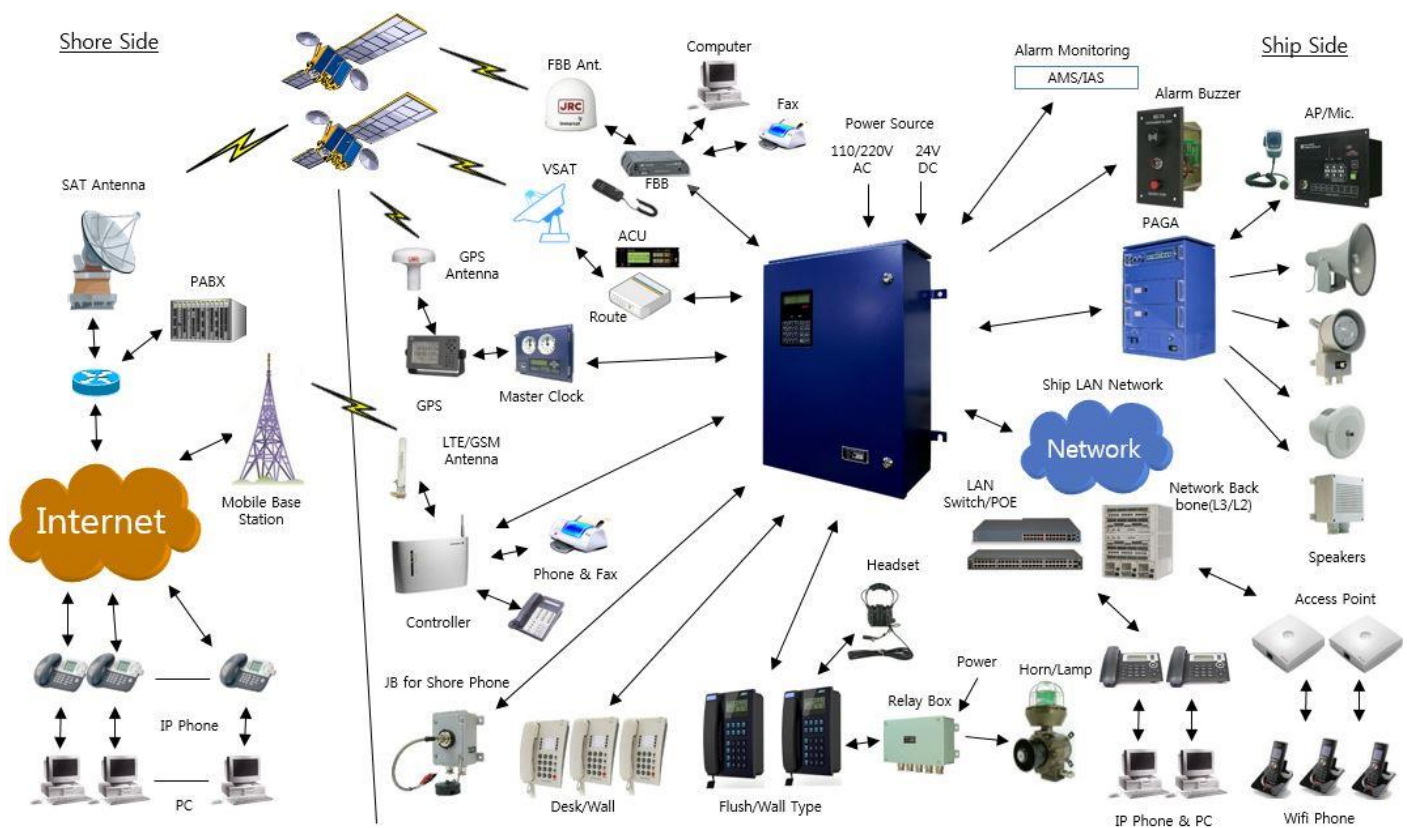
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- Integrated Communication System

- 1. PABX system : Analog, IP, Wifi 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



Integrated Communication System (PABX/PAGA/Clock)

Agent of MRC

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