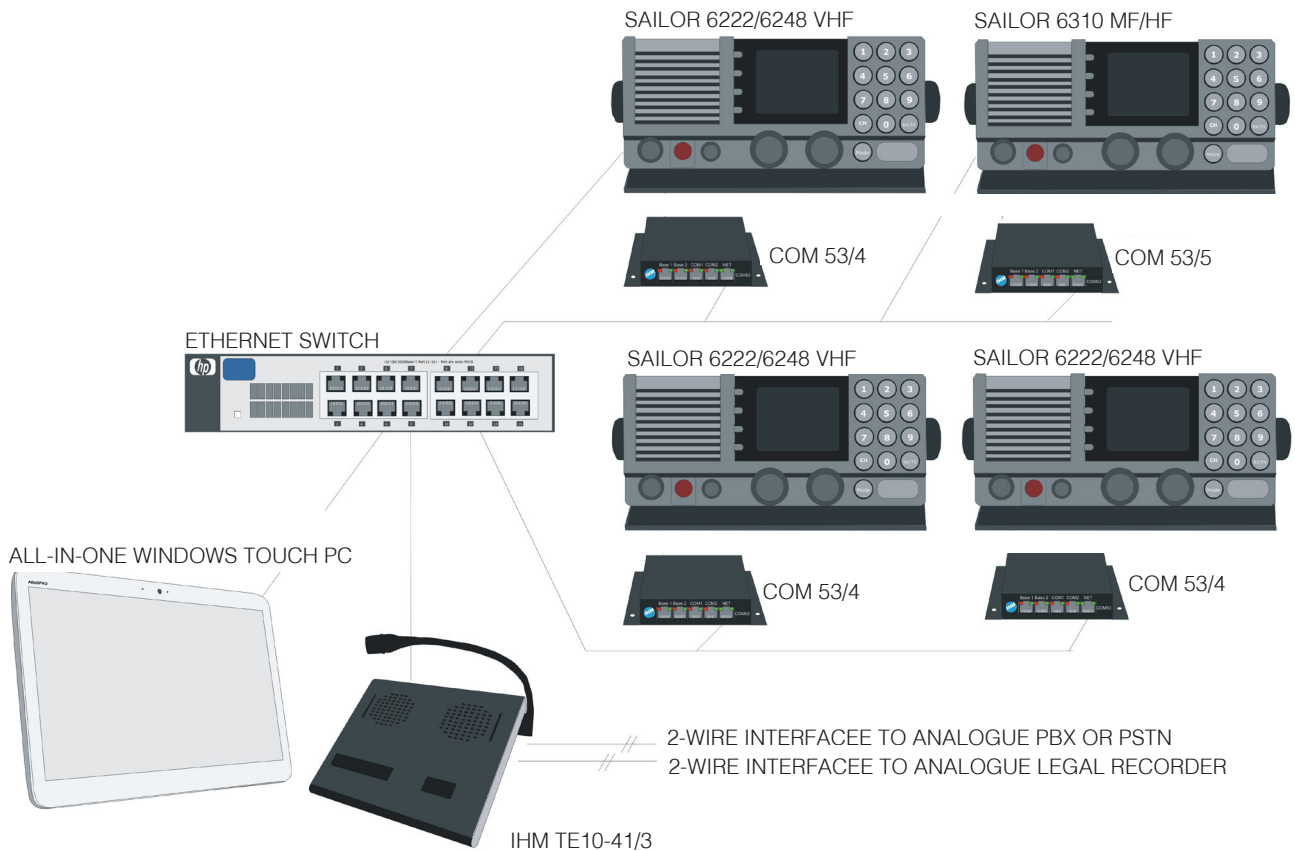


COMMUNICATION SOLUTION FOR ONSHORE-OFFSHORE AND MARITIME

DATA SHEET



IHM's maritime communication system for coastal administrations and offshore organisations is a standardized solution developed for onshore and offshore communication systems using multiple radio units. The various types of radio units, VHF and MF/HF as well as telephony can be connected and combined to one single control system. This ensures flexible and efficient communication.

This stand-alone solution is developed for onshore and offshore communication systems with need for one single control system for up to 6 radios.

Functions

The solution includes:

- 1 single control centre
- Remote control of most types of radios
- Remote control via IP Interface
- Two-way communication
- Automatic recording and personal replay functions
- Automatic logging of activities
- Handling of telephone calls
- Simultaneous communication on more radio channels
- Cross channel connection
- Conference interconnect

Hardware

The solution includes the following hardware:

- All-in-One PC-solution with touch function
- Operator-unit with built-in VoIP-switch and gateway
- Analogue PSTN interface
- Analogue Voice Logging Interface
- VoIP radio interface

Software

The solution includes the following software:

- Special designed IHM software for maritime systems (GMDSS compliant)

- MS Windows 10, UK version
- MS SQL EXPRESS 2014, UK version
- Ultra VNC Server
- IHM WinServ32 - Communication Server
- IHM AppServ - MCS Application Server
- IHM OperMain - MCS Operator Software, all standard functionalities inclusive

Options

If functionalities such as switching to other types of network or radios, the solutions can be extended to:

- TETRA interface FWT for MTM 5400
- MOTOTRBO interface
- TAIT TB8100 interface
- IP interface, SW and interface cable for SAILOR 6222/6248
- IP interface, SW and interface cable for SAILOR 6310 inclusive
- MSI Voice Broadcast system for MCS system
- DSC for MCS system

Other solutions

For other communication solutions, please look into products such as - Maritime Compact 4500



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PRODUCT	MODEL	MANUFACTURER	KEY FEATURES	DIMENSIONS
IHM VTS-COM 41- system, incl.				
21" All-in-One touch PC	ProOne G2 AIO	HP	Full HD touch screen, CCD, i3 CPU, GB HD, 4GB RAM, Intel HD graphics 530	531x59x372mm without VESA mount. 6,8 kg.
15" All-in-One touch PC	A 4110	ASUS	INTEL CELERON N3150 Processor INTEL HD graphics, 2GB RAM, 500GB, SATAIII HD 128GB SSD	377,5x247x28,5mm without VESA mount. 2,19 kg.
Operator audio box, incl. switch and gateway	86-TE10-41/3	IHM	Built-in loudspeaker, gooseneck microphone and PTT button. Sockets for headset, handset and gateway modules (PBX/Voice logger). Includes a 84-PS7, 230V AC to 15V DC power adaptor	240x80/20x200mm, 2,2kg
16 port Ethernet Switch	84-PC-Hubs/16	HP	Holding sufficient ports to setup a complete system locally	16 port 10/100/1000Mbit 1U switch, 230V AC consumption 13W
Software package	IHM-MCS Standard	IHM/MS	Includes MS Windows 10, MS SQL EXPRESS, ULTRA VNC Server, WinServ32, AppWinServ and OperMain	Installed on the Operator PC

Radio Base Station Controllers				
Universal VoIP Base Station controller	87-COM53/1	IHM	Can be powered from the radio base station. Support most any kind of single channel radio on the market. Cable with open ends included.	110x130x28mm, 0,2kg. 12V-15.6V DC max. 200mA
VoIP controller for SAILOR 6248+6222	87-COM53/4	IHM	Powered from the radio, Interface cable SAILOR 6248/6222 VHF included (DSC disabled)	110x130x28mm, 0,2kg. 12V-15.6V DC max. 200mA
VoIP controller for SAILOR 6310	87-COM53/5	IHM	Powered from the radio, Interface cable SAILOR 6310 MF/HF included	110x130x28mm, 0,2kg. 10,8-28V DC max. 200mA
VoIP controller for TETRA	87-COM53/6	IHM	Powered from the radio, Interface cable MOTOROLA MTM 5000 series included	
VoIP controller for MOTOTRBO	87-COM53/7	IHM	Powered from the radio, Interface cable MOTOROLA DM 4600 included	

Operator Terminal Options				
Handset	84-TR11-10/02	IHM	Handset with 2m cable, spiral cord	
Cradle	84-TR11-50/2	IHM	Retainer for handset, without lock	
Foot Operated PTT Switch	84-B-34-9901/2	IHM	198mm pad incl, 2m cable	
Wired headset	HME46	Sennheiser	Sennheiser HME46 incl. PTT cable	