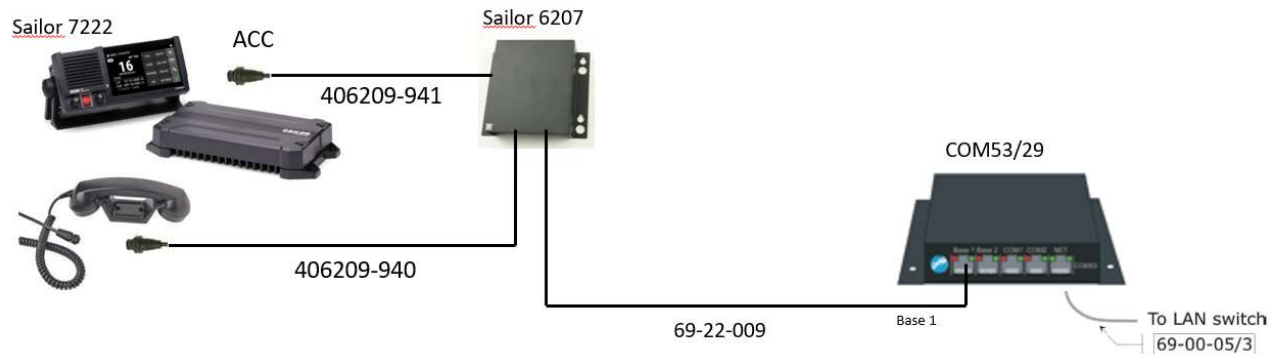


87-COM53/29 – Sailor 7222

PRODUCT SHEET

The COM53/29 is a VoIP Base Station Controller for COBHAM SAILOR 7222. The COM53/29 is a part of the IHM IP Flexible solution for Command and Control centres.

The COM53/29 kit includes one Cobham kit 6207, one Cobham cable for handset and one IHM cable for COM53 for connecting the 6207 unit to one radio unit.



The radio interface

The SAILOR 7222 can be set for vessel or coast station use. The radio delivers simplex or semi duplex marine VHF channels. The SAILOR 7222 includes DSC.

Please note: The radio unit Sailor 7222, Handset and LAN switch are not part of the IHM delivery.

Functions

- Audio input and output to and from the radio.
- PTT output (relay).
- Squelch input. Together with IHM MCS Flexible series, the squelch opening level can be set in three sensitivity levels.
- RSSI, (0-5Vdc) indicates the strength of the received signal.
- TX power output control, the power output can be set to low or high, when used with IHM MCS Flexible series.
- Channel selection, the radio can either be used as single channel or multichannel. The number of channels, which can be used depend on the firmware in the radio and corresponding COM53 firmware.
- DSC, Digital Selective Calling facility.
- Dual operation, the operator can control the radio both from its control head and from the IHM application.
- Distress call (for vessel applications).
- Dual and triple watch.

Optional functions

- GPS coordinates can be transferred from the 7222 radio and displayed in the operator application.

Functions – not supported

- Dual watch and scanning*

**Only supported in COM53/29 for customized solutions.*

87-COM53/29 – Sailor 7222

PRODUCT SHEET

Technical data

Parameter	Test conditions	Min.	Typ.	Max.	Unit
Supply voltage					
Vsupply		10.6		30.0	Vdc
Current consumption					
Isupply	Vsupply = 12Vdc		250	350	mA
	Vsupply = 24Vdc		150	250	mA
Ethernet					
Connection	IEEE 802.3 / RJ45				
Speed	Dual Speed 10/100 Mbit/s		100		Mbit/s
Auto	Auto Negotiation Enabled				
Bandwidth required	Per active voice channel	128			kbit
Latency	one direction, both directions			150 300	msec
Jitter		160			msec
Broadcast	Should be avoided or kept to a minimum				
Base Station					
Input-level		-25	-10	-3	dBm
Output-level		-25	-10	-3	dBm
Impedance			600		ohm
RS232					
Vout Low			-5V		V
Vout High			5V		V
Baud rate	Adjustable	2400		115200	Baud
Temperature range					
Ambient		0°		55°	C
Storage		-10°		65°	C
Mechanical specifications					
Module type (PCB)	120*100 mm				
Weight (PCB)	100 g				
Box size	110 x 130 x 28 mm				
Weight (PCB + Box)	250 g				
Weight (PCB + Box + Cables)	550 g				

operation via the COM53.

When using IHM COM53 firmware equal to c53_Sailor_VHF_982.hex, the SAILOR radios do not need connection to a DHCP server. The radios serial number is used to establish connection with the system.