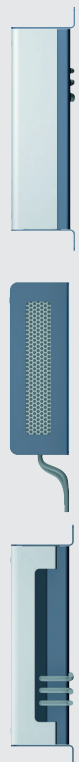


Ship Server ELSE

Global Link Network communication

- ➔ integration of all communication systems
- ➔ least cost routing, Iridium, GSM, Inmarsat and shortwave radio interfaces integrated
- ➔ crew mail
- ➔ online compression (up to 1:5)
- ➔ auto download of weather data
- ➔ frequency control of modern maritime shortwave transmitters
- ➔ reports, forms, webcam, data services



The ships server ELSE combines all on board communications systems (HF, GSM, Iridium, Inmarsat) and allows access to multiple Internet Email accounts. The necessary (one time) set up is done through an easy to use Internet browser. The NMEA interface can read the GPS position from the navigation system and pass it on automatically to the central GLN server for further dissemination.

The Else server is a complete mail server, that can interconnect to the onboard Ethernet network. Due to the online compression and the automatic resumption you can realize economies up to 75 % in Online time, sending the same amount of data.

Else controls the onboard modern HF radio set. With the help of an algorithm developed by Kielradio, the momentarily best HF frequency is selected (ALE).

Weather data downloads can be programmed from various servers at specific times and are automatic. No more missed weather forecasts!

With the additional function of an individual Email log and the capability to export it in MS excel format you can invoice each guest onboard for his / her email expenses.

Of the freely programmable and isolated outputs one can hook up bells or horns as needed to alert to various activities. (Email alarm, SSAS, Scan Stop etc.)

Software:

HTTP server for configuration (ELSE) with an Internet Browser
POP3 server with Online compression
SMTP server with Online compression
DHCP server, max 254 User
SSAS ready
LRIT ready
GMDSS radio telex replacement ready
Automatic Link Establishing, ALE
Auto routing, freely configurable

Radio server to control the operating frequency and mode for the following transceivers:

Barrett 980
Icom M-710
Icom M-801
Icom M-802
Skanti all types
Sailor 4000 and 5000
JRC JSB196
Furuno 15XX

Technical Data/Dimensions

Dimension	: 200 x 200 x 70 mm
Weight	: 1250 grams
Enclosure	: Steel, anti corrosion treated
Power supply	: 24 V DC, galvanically isolated, reverse polarity protected
Current consumption:	max. 1200 mA
Operating system	: RedHat operating system, on CF card
Hard drive	: 4 GByte CF-Card Industrial Grade, > 2.000.000
Write cycles, RAM	: 256 Mbyte
Processor	: Intel Celeron 400 MHz

Ports:

PS2 (Service)
VGA (Service) Remote Radio frequency control , PRN/RCI
NMEA 0183 galvanically isolated, GLL
Audio In 600 Ohm galvanically isolated
Audio Out 600 Ohm galvanically isolated
PTT, galvanically separated
isolated contacts, programmable, on or off, 1000mA@235V AC
4 freely programmable Inputs
1 free programmable serial port RS232 for GSM, Inmarsat, Iridium
1 x 10/100 Mbps Ethernet port

manufactured by

