



## BASICS Multivoice/4 Datasheet

### APPLICATIONS


- Compatible with FleetBroadband terminals
  - Thrane and Thrane
  - JRC
  - Satlink
  - AddValue
  - Seatel
  - Furuno
- For use with FB250 and FB500 (4 or 8 voice channel models) or FB150 (4 voice channel model only)

### TECHNICAL FEATURES

- 4 analogue voice FXS ports (for analogue phone handsets)
- 1 analogue voice FXO port (for connection to single circuit-switched analogue voice)
- 1 ISDN port (for connection to single circuit-switched digital voice)
- Compatible with Inmarsat's FleetBroadband Multi-voice service
- Designed for maritime applications

The BASICS Multivoice/4 is a 4-port POTS voice interface for Inmarsat FleetBroadband terminals, providing DTMF dialing call progress and ringtones to the user while integrating seamlessly into the Inmarsat infrastructure and call billing system. The unit is compact, durable and built to be deployed with mobile satellite terminals. It is compatible with all Inmarsat FleetBroadband terminals.

BASICS Multivoice is designed to enhance the current range of FleetBroadband terminals to make them compatible with Inmarsat's reduced cost voice platform. The device interfaces to the switched digital or analogue voice service presented on FleetBroadband terminals, and adds three more voice circuits, all operating within the FleetBroadband low cost voice service from Inmarsat.

Developed in cooperation with  **inmarsat**



# Technical data


MECHANICAL	
Device image:	
Form Factor:	Standalone enclosure
Cooling:	Convection
Operating Conditions*:	0-50degC ambient 0-95 % RH non-condensing
Maritime use:	Tested to BS EN 60945
Shock and Vibration:	TBC
MTBF:	>150,000hours at 50degC
Dimensions:	8.19 x 6.10 x 1.16in
Indicators:	4 green telephone port status LEDs, 2 green PC/LAN and FB IP port status LEDs, 1 green FB ISDN port status LED, 1 green FB TEL port status LED, 1 bicolor red/green status LED, 1 green power LED
Reset button:	Restores default IP address on momentary press. Restores all factory settings on long press.
Weight:	550g
<b>Electrical:</b>	
Supply Input Rating:	10-28V DC@3A
Consumption(typ):	15W
<b>Connectors:</b>	
DC Power:	3-way locking Power Connector
M&C:	Telnet via Ethernet port at fixed address
PC/LAN and FB IP:	2 x 8-way RJ45
Telephone ports:	4 x 6-way RJ11
FB TEL:	1 x 6-way RJ11
FB ISDN:	1 x 8-way RJ45

FUNCTIONAL	
<b>PC/LAN and FB IP ports:</b>	
Number of Ports:	2
Presentation:	Auto-MDIX
Formats:	IEEE 802.3i(10base-T), IEEE 802.3u (100base-TX)
Protocol Support:	DNS Client, DHCP Client, Telnet
Functions:	IP passthrough, Inmarsat-compatible SIP voice gateway
Bridge/Router capability:	IP passthrough
<b>Telephone ports:</b>	
Number of channels:	4
Interfaces:	2-wire FXS for connection to telephone with ring voltage/cadence generation and dial pulse/ring trip detection on all ports
Compression:	G.729 Annex A (8kbps CS-ACELP), G.711 (64kbps PCM) A-law
Relays:	DTMF
Signaling:	MFR1, R1, R2, SS4, SS5, Call Progress
Echo cancellation:	G.168 adaptive (16/32mS tail)

Coding delay:	Per algorithm
Gain:	± 31dB programmable in 1dB
<b>FB TEL port:</b>	
Number of channels:	1
Interfaces:	2-wire FXO for connection to FleetBroadband analogue voice port
Compression:	G.711 (64kbps PCM) A-law
Echo cancellation:	G.168 adaptive (16/32mS tail)
Gain:	± 31dB programmable in 1dB
<b>FB ISDN port:</b>	
Number of physical ports:	1
Number of BRIs:	1
Structure of BRIs:	Single Bearer (1B)
Interface type:	Basic Rate S/T
Link layer:	ITU-T I.430, Q.921
Protocol support:	ETSI NET3
Device type:	TE (as Terminal Adaptor)

\* When the equipment is adequately protected from direct user contact, the equipment will reliably operate with an ambient temperature within the specified range. When the equipment is installed in a user-accessible location, adequate heatsinking must be provided to ensure the case temperature does not exceed 70degC (BS EN60950-1:2006 Table4C) for user protection.

BASICS Multivoice/4 is a product under continuous development. Information subject to change. Correct at time of printing. Jul 2012.

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