

KVH TracPhone® FB-series

Technical Specifications



Specifications

Inmarsat FleetBroadband approved. Meets RTTE, FCC, and CE requirements.

Antenna Diameter

FB150:	33 cm (13")
FB250:	27 cm (10.6") – Compact 48 cm (19") – M5 Matching
FB500:	66 cm (26") – M7 Matching 89 cm (35") – M9 Matching

Antenna Height

FB150:	34 cm (13.5")
FB250:	30 cm (11.8") – Compact 53 cm (21") – M5 Matching
FB500:	69 cm (27") – M7 Matching 99 cm (39") – M9 Matching

Antenna Weight

FB150:	4.94 kg (10.9 lbs.)
FB250:	5 kg (11 lbs.) – Compact 9 kg (19.8 lbs.) – M5 Matching
FB500:	18 kg (40 lbs.) – M7 Matching 35 kg (77 lbs.) – M9 Matching

Frequency Band

Rx:	1525.0 - 1559.0 MHz
Tx:	1626.5 - 1660.5 MHz

Recommended Antenna Cable

Cable loss max:	20 dB at 1660 MHz
G02232-D:	7 m Max (23')
RG-223-D:	27 m Max (88.5')
SX3272:	33 m Max (108')
RG214/U:	60 m Max (197')
S 07272B-05:	97 m Max (318')

Global Services

Voice:	Digital 4 Kbps voice; Digital 3,1 kHz audio
ISDN:	TracPhone FB500: 64 Kbps
Fax:	TracPhone FB250, FB500: Group 3 fax via 3,1 kHz audio

Standard IP:	TracPhone FB150: 150/150 Kbps TracPhone FB250: 284/284 Kbps TracPhone FB500: 432/432 Kbps
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Streaming IP:	TracPhone FB250: 32, 64, 128 Kbps TracPhone FB500: 32, 64, 128, 256 Kbps
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SMS:	Standard 3G (up to 160 characters)
SIM card:	Removable

Velocity Acceleration-compatible

FB150, FB250, FB500:	Yes
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Set-up and Router Functionality

Web server, Built-in NAT router

Power Supply and Consumption

DC input range (isolated):	10 to 32V DC
TracPhone FB150 power (max), incl. antenna:	120 W @ 10-32V
TracPhone FB250, FB500 power (max), incl. antenna:	150 W @ 10-32V

Antenna Connector

BDU:	TNC-socket, female
TracPhone FB150, FB250 ADU:	TNC
TracPhone FB500 ADU:	50 ohm N

Environmental Conditions

Ambient temperature:	-25°C to +55°C (-13°F to +131°F)
ADU storage:	-40°C to +85°C (-40°F to +185°F)
Survival*:	-40°C to +80°C (-40°F to +176°F)
Operating humidity:	95% non-condensing at +40°C (+104°F)
BDU:	IP31
ADU:	IPX6

* Power on, non-functional; automatic thermal surveillance shuts down terminal gradually at +85°C (+185°F) PCB temperature

Interfaces

Power On/Off button, SIM card, Factory default reset, DC heavy-duty power input connector with remote on/off and locking mechanism, 5 I/O connector with general purpose I/Os, Status LEDs.

TracPhone FB150: 2 10/100 Mbit Ethernet LAN user ports with Power over Ethernet (PoE)

TracPhone FB250, FB500: 4 10/100 Mbit Ethernet LAN user ports with Power over Ethernet (PoE)

TracPhone FB250, FB500: 1 Euro ISDN

TracPhone FB250, FB500: 2 independent RJ-11 phone 2-wire connectors

TracPhone FB150: 1 independent RJ-11 phone 2-wire connector

TracPhone FB250, FB500: L-band output connector

Telephone Functionality

Phone book, Message indication, Restricted dialing, Traffic logging

Matching KVH TracVision® Dome Options

FB150:	TracVision M1
FB250:	TracVision M5
FB500:	TracVision M7/M9

Billing Method

Visit www.kvh.com/inmarsatairtime and download the *Inmarsat Airtime Service Rate Sheet* for detailed pricing

www.kvh.com



KVH Industries, Inc.
World Headquarters
Middletown, RI U.S.A.
Tel: +1 401 847 3327 Fax: +1 401 849 0045
E-mail: info@kvh.com

KVH Industries A/S
EMEA Headquarters
Ekkedal, Denmark
Tel: +45 45 160 180 Fax: +45 45 160 181
E-mail: info@emea.kvh.com

KVH Industries Pte Ltd.
Asia-Pacific Headquarters
Singapore
Tel: +65 6513 0290 Fax: +65 6472 3469
E-mail: info@apac.kvh.com

