

OpenSat

FastiP™ 77cm Ka band FlyAway terminal



The **FastiP™** 77cm Ka band terminal is a new innovative solution supplied by **OpenSat** for the use with new Ka band satellites. It provides various types of services such as:

- Fast Internet access and/or Data connectivity
- Radio contribution or feeding of transmitters
- Video contribution or SNG

The **FastiP™** 77cm terminal has the following features

Features

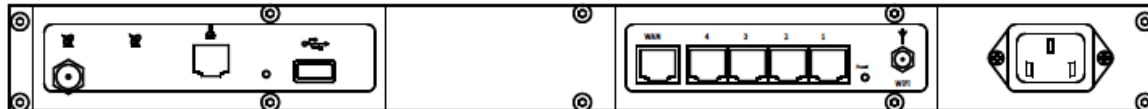
- ▶ Uses the Eutelsat approved 77 cm Superior Quality Transmit / Receive antenna
- ▶ Special mount/tripod system providing accurate pointing in both Elevation and Azimut
- ▶ Very light terminal and very easy for transportation
- ▶ Very quick installation and setup procedure. Few minutes only are needed to find the satellites and start providing the service
- ▶ Integrated Modem Router (IMR4001W) providing several LAN ports and 1 WAN port for the connection of additional devices such PCs, audio instreamers or HD/SD H264 video encoders
- ▶ WIFI function provided with the IMR4001W integrated modem router
- ▶ Return link for both audio and video application to check the transmission quality
- ▶ Available in various configurations depending on the application as follows:

Application	Fast Internet and Data	Radio contribution	TV contribution
FastiP™ 77cm Model	KS770i	KS770R	KS770V

IMR4001W - Integrated Modem Router



Front panel



Rear panel

1. Rx/Tx Surfbeam II part

- * 300-800 MHz- Rx, 1800-2300 MHz-Tx (1 connector)
- * 1 Ethernet interface (1Gbps)
- * USB interface (for future service upgrade)
- * Integrating self installation tool with terminal webpage status
- * 110/220 V ac → 30Vdc PSU (< 50m IFL length with RG6)
- * 19" – 1U high grey housing with blue LEDs

2. 4 Ports Router part

- * 4 LAN ports and 1 WAN port
- * SPI and NAT firewall protects end user devices from potential attacks across the internet
- * WDS wireless bridge provides seamless bridge to expand the wireless network
- * 150 Mbps wireless data rates for ideal audio and video streaming, fast Internet, internet call
- * IP based bandwidth control allows administrator to determine how much bandwidth is allotted to each PC
- * Fully compatible with all IEEE 802.11n/b/g products

77cm Ka band Antenna performance & Mount

Frequency range	Tx : 29.5 to 30 GHz Rx : 19.7 to 20.2 GHz
Polarisation	Circular LHCP & RHCP
Gain	
Tx – mid band	44.3 dBi
Rx – mid band	40.1 dBi
Cross- polarization	as per Tria specification



Tria specification

Frequency range	Tx: 29.5 to 30 GHz Rx: 19.7 to 20.2 GHz
Polarization	Circular with remote switching control
G/T (nominal)	23 dB/K at 19.95 GHz
EIRP (nominal)	54 dBWi at 29.75 GHz

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