

ODIN™ F-50 HYBRID SATELLITE ROUTER

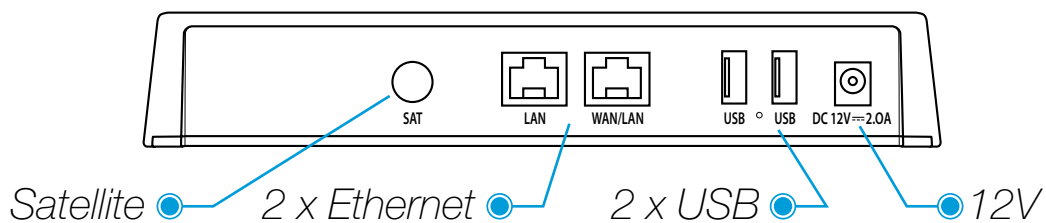


Odin™ is a cost effective, high performance satellite router for hybrid Internet over satellite services. DVB-S2/ACM is used for downlink and can be combined with a variety of terrestrial return channels.

The most commonly used return channels are

- Mobile (GPRS/EDGE/3G/LTE) for enabling broadband connectivity in rural areas
- xDSL for on-demand bandwidth acceleration

The satellite router integrates all functionality required for hybrid Internet over satellite connectivity. For simplified installation, the satellite service provisioning is completely automatic.



TECHNICAL SPECIFICATION

Overview

Integrated web based (http) user interface.
No software/drivers need to be installed on connected computers.
An integrated DHCP server provides private IP addresses to all connected computers.
Linux based operating system.

Applications

- Hybrid Internet over satellite
- Satellite multicast reception

Performance

Up to 60 Mbit/s from satellite to LAN

Processor & Memory

Ali M3527 SOC
512 MB DDR3 1600Mhz RAM
256 MB non-volatile flash memory

Satellite Front-End

Support for DVB-S2/ACM and DVB-S
Input frequency range: 950 MHz to 2150 MHz
Symbol rate support:

- 1-68,4 Msym/s (QPSK, 8PSK, 16APSK)
- 1-53.9 Msym/s (32APSK)

Modulation support: DVB-S2 modcod range

Connectivity

Ethernet ports for WAN and LAN
Wi-Fi Access Point 802.11b/g/n/ac, 2T2R

Software

Linux operating system
Web based user interface
Integrated client for the Mimir HUB
DHCP server for simple IP address management

Front Panel

1x LED for power
1x LED for return channel connection
1x LED for Mimir connection
1x LED for satellite lock

Power Supply

External AC/DC converter: 230VAC/12VDC 2A

Mechanics (excluding connectors)

HxDxW: 205x145x38 mm

Connectors / Rear Panel

1 x RF input connector, F connector (75 Ohm) for satellite feed
2 x Ethernet ports, 100Mbit/s (RJ-45)
2 x USB-A 2.0 (device) ports
1 x Mains AC/DC power supply adapter inlet 12V through DC plug
1 x Factory reset button

Accessories

User manual in English
Optional accessories:

- Ethernet cable (2m)
- Power supply

Supported USB Dongles

Supported USB dongles (3G/EDGE/GPRS)

Huawei

- E173u (12d1:1436)
- E173s (12d1:1c05)
- E173s (12d1:1c10)
- E173s (12d1:1c23)
- E169/E620/E800 (12d1:1001)
- E1820 (12d1:14ac)
- E3131 (12d1:151d)
- Preconfigured Hi-Link dongles

ZTE

- MF190 (19d2:0117)
- MF190 (19d2:0031)
- MF190 (19d2:0154)
- MF636 (19d2:0033)

Other

- BSNL EVDO CAPITEL (1c9e:9e00)
- ZD Incorporated (0685:7000)
- NetworkConnect MT6229 (2020:2000)