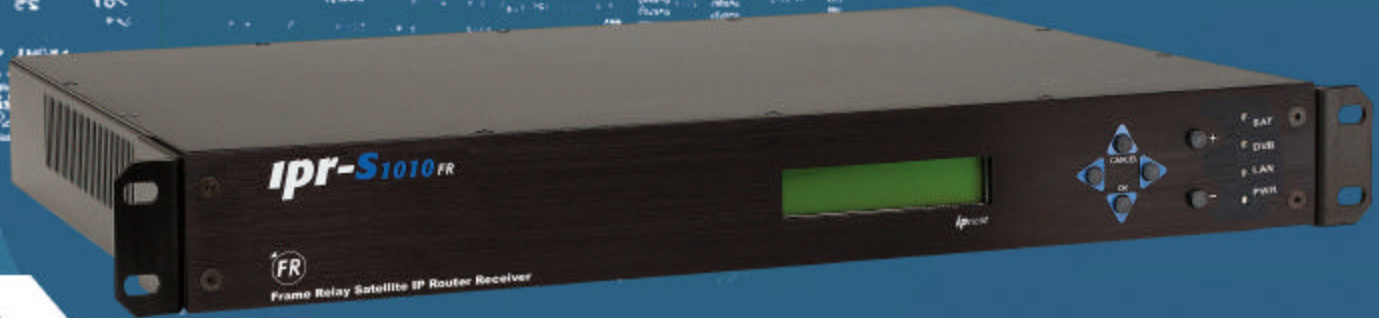


IPR-S1010_{FR}



Frame Relay Satellite IP Router Receiver

IPricot is launching the **IPR-S1010 FR**, its brand new Frame Relay integrated satellite router receiver designed to receive the outbound carrier at the distant site at a very competitive price.

The IPR-S1010FR main functions are:

- 1/ Receiving any QPSK, 2-45Msymb/s carrier
- 2/ De-encapsulating the Frame-Relay data based on the customer DLCI channel allocation
- 3/ Forwarding the extracted data directly on the customer LAN through its 10/100BaseT Ethernet/Fast Ethernet port

This new Frame Relay solution is offering a number of key advantages to the Operator and its customers :

- It takes the best of the 2-Way DVB platforms for Point to Multi-point platform enabling Assymmetric IP services tailored to customer need
- The operator does not have to invest in an expensive redundant IP/DVB Gateway to offer carrier class IP backbone services (potentially the operator only needs to add some new interfaces to its existing teleport router infrastructure)
- It minimizes protocol overhead, increasing the bandwidth efficiency and therefore reducing the overall satellite cost (especially for small VOIP packets).

Finally The IPR-S1010 FR is offering an all in one solution for the reception and data forwarding of the outbound channel at a very cost effective price. It has been tested and validated with a satellite operator platform.

Speed up your data.



Highlights

Capability

- Unicast, Multicast, Broadcast Routing (Static, IGMP, DVMRP, NAT Dynamic)

Performance

- QPSK modulation, 2-45 Mbauds
- Satellite interface up to **72 Mbit/s** of data
- Up to **72 Mbit/s** throughput for 1500 Bytes IP packet length per unit
- Up to 20 Mbit/s throughput for 64 Bytes packets

Reliability

- Additional processor for watchdog control
- No on-board mechanical components
- Telecom quality grade

Manageability

- Return channel management via router, modem, PPP or PPTP
- Easy integration within any existing architecture (no third party software needed)
- Easy to install & set-up
- Management & monitoring through LCD display & key pad, console, telnet, web, SNMP
- Management of configuration profiles

Scalability

- Complete list of optional software packs for differentiated services offering
- Exclusive flash card embedding OS, software & profiles

The **IPR-S1010 FR** was developed BY skilled professionals, WITH professional components and designed FOR professionals.

General Features

19" Rackmount
DVB Compliant
Universal LNB Compatible / US / Asia LNB
C-Band / Ku-Band / L-Band
Replaceable Flash Memory Containing Embedded Software & OS
Easy OS Update in Flash Memory
High Reliability via Watchdog Control
Ability to Embed Private Applications

Tuner

Input Frequency : 950 - 2150 MHz (L-Band)
Input Impedance : 75 Ohms
Connector : F-Type
LNB Power Supply : 14/18V/OFF, Max 350 mA
Over Current & Short Circuit Protection
Band Switch Control using 22 KHz Signal

Demodulator

QPSK
Symbole Rate : 2 - 45 Mbauds
Outer Decoder Reed Solomon (204, 188)
Deinterleaver Convolutional (Depth 12)
Including Spectral Inversion Ambiguity Resolution
Forward Error Correction (Automatic Detection)
Viterbi Code Rate 1/2, 2/3, 3/4, 5/6, 7/8
Nyquist Baseband Filters
Automatic Frame Synchronization
DVB-S Descrambler

Frame Relay

FR IETF Encapsulation
Up to 4 DLCIs Hardware Filtering
FR FCS Hardware Processing
IP over FR Unicast Routing
Up to 72 Mbit/s Sustained

Physical Interfaces

LCD Front Panel (20 characters x 2) Display and Keypad
LED Indicators (Unlock, Status, LAN, Power)
Signal RS-232, Max 115.2 Kbit/s (Serial 9-Pin D-Sub (Male))
Console Port
Ethernet 10BaseT & Fast Ethernet 100BaseT (Network RJ45)

General / Environment

Safety : CE, FCC, CSA
Operating Temperature : +5°C to +40°C
Power Supply Voltage : 85 to 264 VAC 47 to 63 Hz
Power Consumption : Max. 60W (Avg. 35W)
Weight : 12.5 lbs 5,7 kg
Dimension : 432 x 45 x 300 mm
19" 1U Rack Unit

Management Interfaces

Multiple Remote Control and Management Interfaces :
SNMP LCD Display & Key Pad
Web Interface Telnet SSH

Routing

Unicast, Multicast, Broadcast Routing
(Static, IGMP, DVMRP, NAT Dynamic*)

IP Protocols

Fully IPv4 Compliant (RFC 791, 792, 919, 922, 950, 1112)
Fully UDP Compliant (RFC 768) Fully PPP Compliant (RFC 1661, 1662)
Fully TCP Compliant (RFC 793) Fully PPTP Compliant (RFC 2637)

Tuner Settings:

Frequency / Polarization / Baud Rate / FEC (Manual or Auto)
LNB Type / Voltage / Power Tuning & Scanning Frequency

Monitoring :

VBER / CBER * Total IP Packets & Bytes
Digital Level / Eb/No Lock & Status
Symbol (Baud) Rate Temperature
IP (Data) Rate

Settings & Controls

Profile Management (Save / Restore / Delete)
Up to 32 Profiles on FlashCard
Firmware Management (Load / Backup / View Contents & Versions)
HTTP & TFTP Load and Backup of Firmware & Profiles
Read & Write Passwords for all Interfaces
IP Address & Mask / ICMP Redirect / Date & Time / System Reset / ...

Monitoring Tools

Spectrum Analyzer IP Dump
Ping Netstat
Traceroute FR Stat
Syslog

Optional Software PACKS

PACK IP ADVANCED :

DHCP Server
NAT
TCP Acceleration Proxy
Firewall

PACK SECURITY : (requires the pack IP Advanced)

IP Sec (requires an export customs authorization)
IP Crypt
SSH

Optional Software Addons :

File Transfer
News Transfer
Redundancy

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Specifications are subject to change without notice.

