



## Edge Content Router ECR-1300



Easily configure the ECR with its Web browser based interface.

### Overview

Logic Innovations' ECR-1300 Edge Content Router provides broadband network to LAN connectivity. When placed at the edge of a satellite or terrestrial broadband network, it enables workgroups of PCs to receive broadband IP services. The ECR-1300 offers ease of integration, high reliability, and advanced remote monitoring and troubleshooting capabilities.

The ECR-1300 receives the broadband signal and filters the IP packets. Data is then routed to the LAN fast Ethernet interface. A WAN interface supports an optional return channel. The ECR-1300 also performs advanced gateway functions including DHCP server, NAT and Firewall.

### Applications

- Business TV
- Digital signage
- Distance learning
- High speed Internet access over satellite
- File transfer and data caching

### Flexible, High Performance Data Delivery

- Available in satellite or terrestrial configurations
- Full support of IP protocols
  - Unicast routing
  - IGMP support for multicast routing
  - DHCP server function dynamically assigns IP addresses to LAN clients
- LAN connection for local clients
- WAN connection for optional return channel
- DVB-SFT version supports full transponder rates of 45 Msps or 72.5 mbps
- 25,000 packets-per-second capability

### Reliable and Secure Data Routing

- Carrier-class embedded receiver/router
- Stateful packet inspection Firewall protects against common Internet attacks
- NAT (Network Address Translation) enables sharing of a single public IP address
- Fully embedded Linux OS boots from flash memory (no hard disk)

### Streamlined Operation

- Web browser-based monitor and configuration
- Built-in diagnostic toolset for troubleshooting common network connectivity problems
- Field upgradeable firmware

## Broadband Specifications

Model	1300-DVB-SFT	1300-DVB-SPT	1300-ATSC	1300-DVB-T
Modulation Type	QPSK /BPSK	QPSK /BPSK	8VSB	COFDM (2k or 8k)
Receive Frequency	950-2150 MHz (L-Band)	950-2150 MHz (L-Band)	54 - 806 MHz	474 - 858 MHz
PID Filters	8	8	8	8
LNB Power	14V, 18V @ 400ma	14V, 18V @ 400ma	N/A	N/A
RF Input Impedance	75 Ohm Type "F" connector	75 Ohm Type "F" connector	75 Ohm Type "F" connector	IEC DIN Jack
Viterbi Decoding	R $\frac{1}{2}$ , 2/3, $\frac{3}{4}$ , 5/6, & 7/8	R $\frac{1}{2}$ , 2/3, $\frac{3}{4}$ , 5/6, & 7/8	R $\frac{1}{2}$ , 2/3, $\frac{3}{4}$ , 5/6, & 7/8	R $\frac{1}{2}$ , 2/3, $\frac{3}{4}$ , 5/6, & 7/8
Maximum data rate	72 Mbps	48 Mbps	19.39 Mbps	31.67 Mbps
LNB Control Signals	22 KHz	22 KHz	N/A	N/A
DiSeqC:	1.0, 1.1, 1.2	1.0, 1.1, 1.2	N/A	N/A
Channel Bandwidth	1.5 - 45 Msps	1.5 - 30 Msps	6 MHz	8 MHz
Compliance	EN 301 192 ISO/IEC13818-1 ISO/IEC 13818-6	EN 301 192 ISO/IEC13818-1 ISO/IEC 13818-6	EN 301 192 ISO/IEC13818-1 ISO/IEC 13818-6	EN 301 192 ISO/IEC13818-1 ISO/IEC 13818-6



## Network Specifications

Interfaces: 10/100BaseTX Ethernet ports (RJ-45)  
V.90/V.92 dial-up modem available

## Security

Conditional Smart card reader  
Access: (ISO 7816) available

## Physical Characteristics

Size: 2.5" high x 10.5 "deep x 13.5" wide  
Weight: 10 lbs



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## Environmental

Safety: FCC, CE and UL compliant  
Temperature: 0° - 50° C  
Humidity: 5% to 95% non-condensing  
Shock: 3.5 g @ 10ms duration  
Vibration: 0.5g @ 22-100 Hz  
Power: 100-255 VAC, 47-63 Hz auto sensing, 75 watts

## About Logic Innovations

Logic Innovations is a leading provider of products that enable delivery of rich media services over broadband networks. Logic Innovations' areas of expertise include digital audio/video and data communications technologies such as MPEG, DVB, and ATSC. Founded in 1986, and headquartered in San Diego, Logic Innovations is a division of SYS Technologies.