MediaStar DVB-T/T2/C LAN-Caster Gateway for Digital Terrestrial & CATV Re-Broadcast over IP (783)

The MediaStar range of DVB LAN-Caster Gateways are a powerful and ultra reliable solution for Digital Terrestrial and CATV reception. When used with Mediastar DVB-S satellite LAN-Casters and MPEG encoders, this solution will meet your entire IP Television Headend and Digital Media encoding and distribution requirements.

Key Features

- Supports both SD & HDTV transmissions (DVB-T, T2 and C)
- PCMCIA CI CAM Slot for multiple channel decryption
- Auto configuration with MediaStar Media Manager Software
- Compact, Up to 9 Units in 3RU
- Delivers up to 15 channels of TV and Radio from a DVB-T/T2/C multiplex
- IP command pass through and IR Routing support
- Easy software upgrade path - T to T2, Non CAM to CAM operation.
- Low power consumption (7W)
- Hot swappable blade with retained settings configuration

Models

- 783-TC
- 783-TC-CI
- 783-T2C
- 783-T2C-CI

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The MediaStar LAN-Caster streams live Digital Terrestrial or CATV transmissions such as news, sport and entertainment directly onto your IP network in their original native formats such as H264, H265 or MPEG2.

The LAN-Caster is a 'hot swappable' blade that easily fits into a MediaStar Powered Chassis (Model 770) or single unit appliance case (Model 769).

When connected to a DVB-T/T2 aerial or DVB-C cable signal the LAN-Caster can stream up to 15 channels of TV and Radio from an RF multiplex to any PCs using the **MediaStar Media Portal** (Model 470) or video screens equipped with MediaStar **Digital Media Player** (Model 780 or 782).

Where the incoming transmissions are encrypted, a PCMCIA slot located securely within the rear of the unit allows for the insertion of a CI CAM module with its subscription card.

Initial configuration and stream setup using a laptop or tablet can be via the built in web server with its advanced web UI or by simply using the front panel buttons and LCD status display.

Alternatively, multiple units within a system can be networked under the control of the MediaStar Media Manager software (Model 462).

Front panel RS 232 and USB Comms connectors allow local connectivity and can also be utilised to pass IP command signals generated by remotely located Touch Screens and management systems, for control of headend located RS232 devices.

Twin Infra red blasters enable IR commands from 3rd party RCUs to be passed back from any display screen equipped with a **MediaStar Media Player** (Model 780 or 782) to the 783 for the control of other headend located IR devices.

Software upgrade options enable very cost effective initial system implementation with future proofed T2 (HD), DVB-C and or CAM capability available when needed using software enablement codes and with no hardware change.

This coupled with maintenance free operation, small physical size and low power consumption make the 783 ideally suited for both large scale distributed applications or simple single unit deployments.

Specifications

WHATS IN THE BOX	• 783 DVB LAN-Caster Gateway Blade • RJ45 patch cable (2.0M)
System Input	**RF Input:** • RF input of Digital terrestrial or Cable Television (DVB-T/T2/C) TV and radio channels via a 75ohm type F female connector
	RF Frequency range: • 45 to 866 MHz
	RF Input level: • DVB-T/T2: 12 to 95 dBµV (100 KHz RBW) • DVB-C: 28 to 97 dBµV (100 KHz RBW)
	RF loop-through: • F type female connector (75 Ohms), 0dB gain, 50dbµV maximum RF input level when using loop through to 8 additional MediaStar DVB-T/T2 LAN-Caster units. • RF loop through should not be used in DVB-C installations.
Cam Support:	**CAM Support:** • CI CAM modules supported with all common decryption standards (Irdeto, Viaccess, Conax, Nagravision) • Single and professional multi-channel CAMs supported • PCMCIA connector, 5V and 3V CAMs supported
Network & Interfaces	**LAN:** • RJ45 802.3 10/100 Base-T Auto MDIX • Static or DHCP IP Address • DSCP stream tagging for QoS
	Network Protocols: • UDP, TCP, ARP, DHCP, ICMP, IGMP V2, HTTP, Telnet, SNMP, Syslog, SAP/SDP, SMTP, DSCP
	USB Comms: • USB 1.1 Serial Comms for external configuration and or control
	RS232 Port: • Rx, Tx, CTS, RTS up to 11,5200 Baud Configured for SIPI external configuration/control OR IP to RS232 bidirectional pass through for external device control
	Infra-Red Blasters: • 2 separate outputs supporting Sky, Sky+, SkyHD IR formats with web page or IP command remote activation. • Remote IP command generates any IR remote control keypress • 30 - 56 KHz modulated IR waveforms supported
Configuration & Monitoring	**Unit configuration:** • Via on board web server using laptop or tablet • Via front panel buttons and LCD status display • Remotely using MediaStar Media Manager software

	Control Interface: • RS232, USB 1.1 serial interface • Telnet for third part connectivity via TCP control such as touch panel interfaces
	External IP control interface: • ASCII Command/configuration via IP interface • USB comms and RS232 comms interfaces
	Upgradability: • Enablement code to upgrade from DVB-T to DVB-T +T2 • Enablement code to upgrade from non CAM to CAM support • Enablement code to upgrade from non DVB-C to DVB-C support • Upgrades in-situ, with no hardware change required
	Software: • Fully upgradable ONLY with protected MediaStar software from an HTTP server
	SAP Announcements: • SAP (Session Announcement Protocol) notification of IP streams
	Temperature Monitoring: • Unit operating temperature available remotely via web interface
	Event Monitoring: • Key operating functions reported via SNMP or Syslog traps sent to third party SNMP manager (MIB available on request) • Automatic e-mail of Event log files via external SMTP server
Other Information	**Power:** • 7 W (from 770 or 769 rack chassis)
	Weight: • 375 g
	Dimensions: • 129 x 41 x 225 mm, occupies 1 chassis rack slot
	Environmental: • 0° - 40°C, 32° - 104°F (rack chassis ambient)
	Approvals: • FCC, CE, UKCA, RCM, TUV, CB and UL approved as part of the MediaStar 770 or 769 rack chassis

Related Products

- MediaStar Multi slot 3RU Chassis with Integral Power Supply (Models 770 and 770-DR)
- MediaStar Single Slot Appliance Chassis with Integral Power Supply (769)