

HDS3600-445

DVB-T Regenerator and COFDM Transmodulator



The TeleDelta HDS3600-445 is a compact 1RU broadcast style COFDM Regenerator and COFDM Transmodulator for DVB-T applications where signal correction, adjustment or complete generation is required.

The compact 1RU HDS3600 allows the user to ingest up to 8x RF frequencies (8x F-type connectors) via its dual DVB-T input modules. Internal HDS3600 processing allows users functionality including, program channel adjustment, MER correction, removal of unwanted/duplicate channels and re-generation of EPGs, NIT, SI and associated table information.

The HDS3600-445 is provisioned with three output options including Four COFDM DVB-T RF carriers for DVB-T re-generation and DVB-T transmodulation, along with built-in ASI in/output and IPTV streaming.

The HDS3600-445 can be managed locally via LCD and Button control front panel or remotely by web-access and built-in SMNP application.

HDS3600-445 System Diagram



For more information please contact your local distributor or sales@teledelta.com

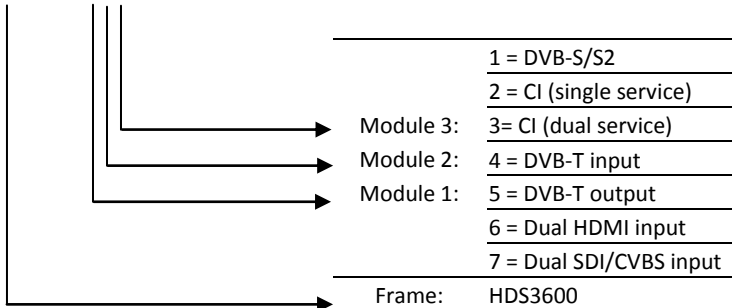


Ordering Options

Part No.	Ordering Suffix	Description
Frames:		
HDS3600		HDS3600 1RU Frame, 3 Modules - 2xASI in/out + IP Streaming + Management
Modules:		
HDS-MOD-S/S2	1	HDS3600 DVB-S/S2 Input Module
HDS-MOD-CI-1	2	HDS3600 Conditional Access (single-service)
HDS-MOD-CI-2	3	HDS3600 Conditional Access (multi-service)
HDS-MOD-DVBT-In	4	HDS3600 Four Input DVB-T Tuner module
HDS-MOD-DVBT-out	5	HDS3600 Four Output COFDM module
HDS-MOD-HDMI(2)	6	HDS3600 Dual HDMI Encoder module
HDS-MOD-SDI/AV(2)	7	HDS3600 Dual HD/SD-SDI / CVBS Encoder module
HDS-MOD-BLANK	0	HDS3600 Blank Module

How to Order

HDS 3600 - 135



Ordering Examples

HDS3600-445	DVB-T to COFDM
HDS3600-777	SDI Encoding
HDS3600-135	VAST to DVB-T/IPTV
HDS3600-665	HD HDMI encoder to RF/IP

HDS3600 Chassis configuration

IP Interface

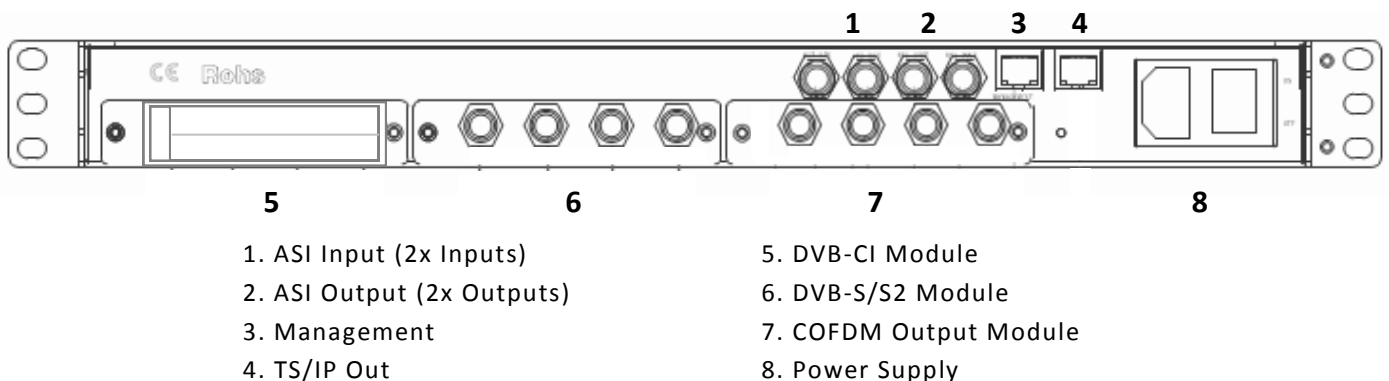
Interface	1 x 1000 per port
IP Encapsulation	MPEG TS over UDP/RTP
MPEG TS	MPTS and SPTS
Addressing	Unicast and Multicast
Management	IGMPv1, v2 and v3

ASI Interface

Interface	4x BNC connectors 2x Input, 2x output
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Physical and Environment

Power	220-260V
Consumption	Approx. 50w
Rack Space	1RU
Dimensions (WxHxD)	480x44x440mm
Operating Temperature	0-50degrees



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DVB-T Regenerator and COFDM Transmodulator

DVB-T Receiver Module	
Inputs	4x RF inputs, 75ohm
Frequency Range	50 ~ 860 MHz
Constellation	QPSK, 16QAM, 64QAM
FEC Modes	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/4, 1/8, 1/16, 1/32
OFDM spectrum	2K and 8K
Signal Level	(-80) ~ (-20dBm)
Channel Bandwidth	7Mhz
Per RF input bitrate	Up to 31.7Mbps
Standard	ETS300744

COFDM Output Module	
Outputs	1 Connector for 4x RF outs
Transmission Mode	2K and 8K
Guard Interval	1/4, 1/8, 1/16, 1/32
Constellation	QPSK, 16QAM, 64QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Output Level	90 ~112 dBuV (4 channels) 90 ~ 115 dBuV (1 channel)
Output Frequency Range	50 ~ 858Mhz
Output frequency step size	50kHz

IP Output /Management	
Interface	1 x 1000 per port
IP Encapsulation	MPEG TS over UDP/RTP
MPEG TS	MPTS and SPTS
Addressing	Unicast and Multicast
Management	IGMPv1, v2 and v3
ASI In/ Output	
Interface	4x BNC connectors 2x Input, 2x output

