

## HDC100 CONTROLLER MODULE

HDC100 is a communication module for the HDO platform. It is installed into HDX002 installation frame. HDC100 enables gateway Ethernet connectivity to an HDO system and allows remote management with Teleste CATVisor Commander and EMS.

HDC100 can also act as an SNMP proxy server, which monitors all rack installed HDO modules and creates a single access point for the HDO system for 3<sup>rd</sup> party EMS systems. SNMP proxy functionality is activated with separately purchased product key HDC001.

### Features

- Rear panel 10/100Base-T Ethernet connector for LAN connectivity
- Front panel 10/100Base-T Ethernet connector for local PC configuration connection
- Small form factor family, 2 RU height

### Management features

- Ethernet <=> HDO bus gateway for CATVisor EMS system and Commander
- Single access point for up to 16 HDO racks or 192 modules.
- Can act as an Ethernet gateway also for older DVO / DVX devices
- Optional SNMP proxy feature, allows SNMP monitoring of the HDO system
- LED indicators for LAN, module and HDO bus statuses.
- Internal temperature measurement and monitoring
- Non-volatile logging of 32 latest events, including alarms, alarming values, settings changes and application starts
- Uptime and total uptime counters
- All adjustments and alarm limits fully user configurable
- Local PC connection through front panel Ethernet connector or backplane HDO bus with DVX012 cable
- Remote IP connection through rear panel Ethernet connector
- Web browser user interface for HDO system status display and HDC100 configuration
- Remote software update



**Technical specifications**

**Ethernet interface, front and rear panel**

Connector	RJ-45 socket
Standard	10/100Base-T

**SNMP proxy software**

Supported protocol

SNMPv2

Supported MIBs

MIB-2: System, Interfaces, SNMP  
 SCTE-ROOT (ANSI/SCTE 36 2002R2007)  
 SCTE-HMS-ROOTS (ANSI/SCTE 37 2010)  
 SCTE-HMS-COMMON-MIB (ANSI/SCTE 38-3 2008)  
 SCTE-HMS-PROPERTY-MIB (ANSI/SCTE 38-1 2009)  
 SCTE-HMS-ALARMS-MIB (ANSI/SCTE 38-2 2005)  
 SCTE-HMS-HEADENDIDENT-MIB (ANSI/SCTE 38-11 2008)  
 SCTE-HMS-HE-COMMON-MIB (ANSI/SCTE 84-1 2009)  
 SCTE-HMS-HE-POWER-SUPPLY-MIB (ANSI/SCTE 84-2 2009)  
 SCTE-HMS-HE-FAN-MIB (ANSI/SCTE 84-3 2009)  
 SCTE-HMS-HE-OPTICS-MIB (ANSI/SCTE 83-1 2006)  
 SCTE.HMS-HE-OPTICAL-TRANSMITTER-MIB (ANSI/SCTE 85-1 2009)  
 SCTE-HMS-HE-OPTICAL-RECEIVER-MIB (ANSI/SCTE 85-2 2009)  
 SCTE-HMS-HE-RF-MIB (ANSI/SCTE 83-4 2009)  
 SCTE-HMS-HE-RF-SWITCH-MIB (ANSI/SCTE 94-2 2009)  
 TELESTE-COMMON-MIB  
 TELESTE-ALARMS-MIB  
 TELESTE-HFCOPTICS-MIB  
 TELESTE-ANALYSER-MIB

Supported module types

HDO101	HDO202
HDO202 LP	HDO203
HDO205	HDO302
HDO371	HDO421
HDO610	HDO611
HDO771	HDO802
HDO902	HDO903
HDO904	HDO905
HDO906	HDP230
HDP301	

**General**

Power consumption	3 W	
Supply voltages	25 V / 50 mA 6.3 V / 250 mA	
Cooling	Free air flow	
Dimensions	2U x 7HP x 380 mm Occupies 1/12 of HDX002	h x w x d
Weight	1.5 kg	
EMC compliance	EN 50083-2	
Enclosure classification	IP20	
Operating temperature range	0...+45 °C	
Storage temperature range	-20...+60 °C	
Operating relative humidity	0...85%	

**Block diagram**

