

HDC100 CONTROLLER MODULE

HDC100 is a communication module for the HDO platform. It is installed into HDX 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 3rd party EMS systems. SNMP proxy functionality is activated with separately purchased product key HDC001.

With HDC001 product key HDC100 also supports “functions”, a graphically user-programmable language for automation of a HDO system. With functions it is possible to build custom interaction between different HDO modules, even remotely.



Features

- Rear panel 10/100Base-T Ethernet connector for LAN connectivity
- Front panel 10/100Base-T Ethernet connector for local PC connection
- Small form factor family, 2 RU height
- Rear panel general purpose I/O port for alarm output

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
- Optional automation support via functions
- Rear panel I/O port for connecting external alarm devices
- 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 HDX012 cable
- Remote IP connection through rear panel Ethernet connector
- Web browser user interface for HDO system status display and basic HDC100 configuration

Technical specifications

Ethernet interface, front and rear panel

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

General purpose I/O port

Connector	D-9 male
Pinout	5: +24V output via 10 Ω, max 100 mA 6, 8: open collector output, 1 MΩ to 24V, max 100 mA, max 0-30 V 9: GND 1, 2, 3, 4, 7: reserved, do not connect

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, HDO103, HDO151, HDO202, HDO202 LP, HDO203, HDO204, HDO205, HDO206, HDO272, HDO302, HDO371, HDO378, HDO421, HDO610, HDO611, HDO613, HDO75x, HDO771, HDO772, HDO773, HDO774, HDO775, HDO776, HDO802, HDO803, HDO902, HDO903, HDO904, HDO905, HDO906, HDO907, HDO908, HDO921, HDP230, HDP301

General

Power consumption	3 W	
Cooling	Free air flow	
Dimensions	2U x 7HP x 380 mm	h x w x d
	Occupies 1/12 of HDX002	
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%	