

HDC100 CONTROLLER MODULE

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

HDC100 can also act as an SNMP proxy server, which monitors all HDO modules and thus creates a single access point for whole HDO system for 3rd party EMS systems.

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
- Can act as Ethernet gateway also for DVO / DVX devices
- SNMP proxy, allows SNMP monitoring of whole HDO system
- Linux based architecture with remote software update
- Fully user configurable HDO bus mastering parameters
- 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

Technical specifications

Parameter	Specification	Note
Ethernet interface, front and rear panel		
Connector Standard	RJ-45 socket 10/100Base-T	
Service port		
Connector Standard	6-pin Mini-DIN RS-232	1)
SNMP proxy software		
Supported protocol	SNMPv2	
Supported MIBs	MIB-2: System, Interfaces, SNMP HMS-COMMON-MIB HMS-PROPERTY-MIB HMS-ALARMS-MIB HMS-HEADENDIDENT-MIB HMS-HE-COMMON-MIB HMS-HE-POWER-SUPPLY-MIB HMS-HE-FAN-MIB HMS-HE-OPTICS-MIB HMS-HE-OPTICAL-TRANSMITTER-MIB TELESTE-COMMON-MIB TELESTE-ALARMS-MIB TELESTE-HFCOPTICS-MIB	
Supported module types	HDO202 HDO203 HDO302 HDO371 HDO610 HDO802 HDO902 HDP230	
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%	

Notes

- 1) Pin out: 1: RxD, 2: Not connected, 3: Cable sense, 4: GND, 5: TxD, 6: Not connected, Shield: GND. PC connection: DVX921 or equivalent cable.

Block diagram

