

## CP750 : SNMP in the CP750

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The CP750 runs an SNMP agent that communicates over the Ethernet connector in the rear panel. The CP750 supports a wide variety of standard MIBs. The following tables list the supported MIBs. In cases where the CP750 does not support the entire MIB, the supported sections are indicated by title in the tables.

### Supported MIB-2 MIBs

RFC	Supported Sections
RFC 3418	System group, SNMP group
RFC 4293	IP-MIB scalars (ipv4), ipAddressPrefix table, ipAddress table, ipNetToPhysical table, ipNetToMedia table, ipSystemStatsTable, ipIfStatsTable, ipDefaultRouterTable, ipv4InterfaceTable, icmpStatsTable, icmpMsgStatsTable
RFC 2863	IF-MIB scalars, ifTable, ifXTable
RFC 4022	TCP-MIB scalars, tcpConnection table, tcpListenerTable
RFC 4113	UDP-MIB scalars, udpEndpoint table

### Other Standard MIBs

Note: CP750 does not perform network infrastructure functions. Final software versions may not support this MIB.

RFC	Supported Sections
RFC 4292	IP-FORWARD MIB inetCidrRouteNumber, inetCidrRouteDiscards, inetCidrRouteTable

The CP750 supports SNMPv2c. The following SNMPv3 MIBs are also accessible:

### V3 MIBs

RFC	Supported Sections
RFC 3411	SNMP-FRAMEWORK MIB
RFC 3413	SNMP-TARGET-MIB, SNMP-NOTIFICATION-MIB, SNMP-PROXY-MIB
RFC 3414	USM-MIB
RFC 2786	SNMP-USM-DH-OBJECTS-MIB
RFC 3415	VACM-MIB

RFC 3417	SNMP-TM MIB
RFC 3584	SNMP-COMMUNITY-MIB

In addition, the CP750's local SNMP variables are supported as specified in DOLBY-CP750 MIB.

<b>Variable</b>	<b>Description</b>
cp750SerialNumber	The serial number of the CP750 physical hardware.
cp750AssetTag	The customer-specified label for this CP750.
cp750DigitalInputValid1	The current status of the bitstream at Digital Input 1.
cp750DigitalInputValid2	The current status of the bitstream at Digital Input 2.
cp750DigitalInputValid3	The current status of the bitstream at Digital Input 3.
cp750DigitalInputValid4	The current status of the bitstream at Digital Input 4.
cp750InputSelection	The currently selected input. Valid values are 'dig_1', 'dig_2', 'dig_3', 'dig_4', 'analog', 'non_sync', 'mic', and 'last'.
cp750FaderLevel	The current CP750 Fader setting.
cp750BitstreamFormat	The encoding of the bitstream on the selected input. Valid values are 'PCM', 'Dolby_Digital', 'Dolby_E', and 'n_a'.
cp750DecodeMode	The current decoding configuration on the signal path. Valid values are 'lr_discrete', 'prologic', 'prologic_2', 'auto', 'n_a', and 'invalid'.
cp750MuteStatus	The current state of the Front Panel Mute.
cp750RelayStatus	The current state of the output relays.
cp750MeterLevels	Meter readings as a string 'L C R LFE Ls Rs Le Re'. Two bytes per channel with a space between each channel. Range from 0 to 60. ex: 10 55 00 60 10 01 77 78.