



## Headend Controller (CDC) IP

Device used for the remote control and monitoring of a T.OX Televés headend. The IP-network access methods are implemented using an Ethernet 10/100 Mbps interface. These devices establish a connection with a Link server located in the Televés premises, which provides direct connection between installer and headend.

<b>Ref.</b>	5559
<b>Logical ref.</b>	CDC-IP/HE
<b>EAN13</b>	8424450141564

### Packing

<b>Box</b>	1 Units
<b>Bucket</b>	18 Units

### Physical data

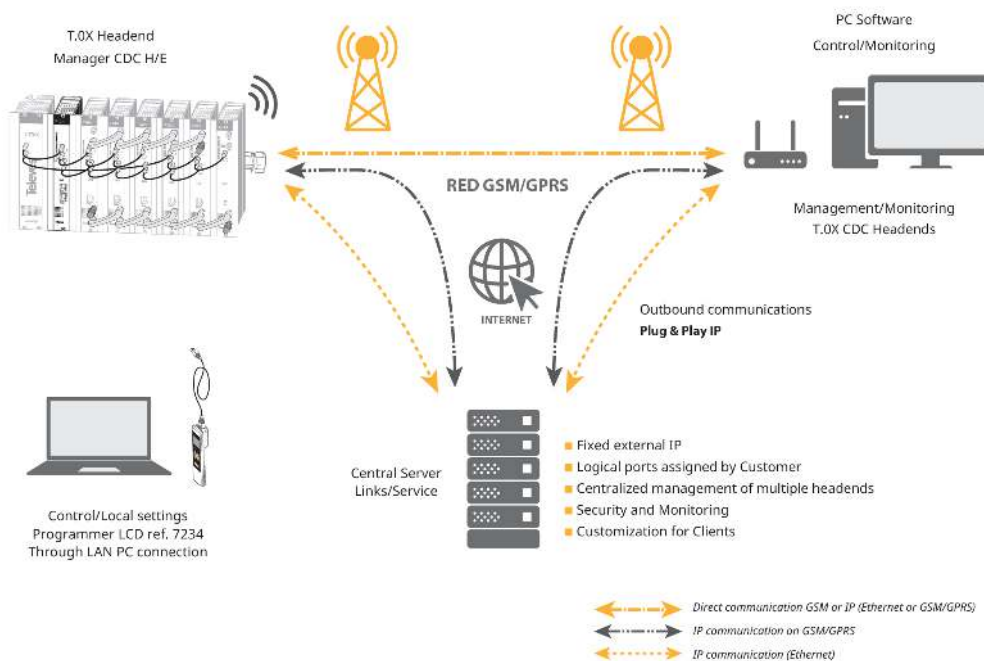
<b>Net weight</b>	919.00 g
<b>Gross weight</b>	919.00 g
<b>Width</b>	50.00 mm
<b>Height</b>	219.00 mm
<b>Depth</b>	165.00 mm
<b>Main product weight</b>	886.00 g

### Main features

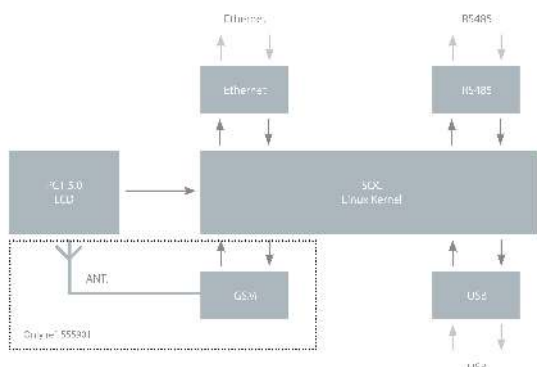
- Headend management and control is carried out by a centralized service called “Televés Services”. This portal is located in a Televés Server Centre accessible to the user through authentication
- Equipped with a RISC Microcomputer and GNU/Linux Operating System, which ensure reliability

in interface, protocol and peripheral device management

## Application example



## Graphic documentation



## Block diagram

## Technical specifications

CPU	Processor		ARM920T™
Memories	Type		8 MB Flash 64 MB SDRAM 128M x 8 bit NAND Flash Memory
Interfaces Connectors	T.OX powering	Vdc	24
	Interface		USB 2.0 Full Speed Host (12 Mbps)
	SIM interface		SIM cards reader
	RJ45 connector		10/100 Base-T Ethernet
	RJ45 connector		Debugging / LCD programmer
	GSM Antenna connector		F connector
GSM/GPRS Radio interface	Transmission power		GSM-850/900 Power peak 2W RF (+33dBm) over 50 Ohm DCS-1800/PCS-1900 Power peak 1W RF (+30dBm) over 50 Ohm
	Reference Sensitivity		GSM-850/900 - 107dBm DCS-1800/PCS-1900 - 107dBm
	Antenna gain	dBi	1,5 ≤ Gain < 3 (reference: λ/2 dipole)
	GPRS type		CLASS 10
	GPRS encoding schemes		CS1, CS2, CS3 and CS4
	GPRS max. downlink transmission rate	Kbps	85,6
	GPRS max. uplink transmission rate	Kbps	48,8
	Packet Broadcast Control Channel		Yes
	VSWR (Voltage Standing Wave Ratio) max. absolute		≤ 5:1
	VSWR (Voltage Standing Wave Ratio) recommended		≤ 2:1
	Input power (peak)	W	>2
	Antenna impedance	Ohm	50
	Bandwidth	MHz	GSM 850: 70 GSM 900: 80 DCS: 170 PCS: 140
	Peripherals		Real Time Clock / Alarm Digital thermometer
Operative System		Linux Kernel 2.6.16	
General	Powering	Vdc	24
	Consumption	mA	300
	Operating temperature	°C	-5 ... +45
	Protection index	IP	20