

An aerial view of a multi-lane highway with digital overlays. White lines and arrows indicate traffic flow. Various icons are scattered across the image, including a calendar, a play button, a database cylinder, a heart, a person, and a house. A network of white lines connects these icons and vehicles. In the top right corner, there is a solid orange rectangle and a yellow rectangle. The overall color scheme is blue and white, with a hint of green from trees at the bottom.

# AVAILABLE MPX PRODUCTS

IP video networking products, valid from 1st February 2022

**TELESTE**

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## MPX IP VIDEO NETWORKING INTRODUCTION

The MPX product family offers all the components needed in networked digital video systems for high performance video security system.

MPX is a common nominator for a product family consisting of various product series such as MCC, MPC, MPX, MES, XEW and TNW.

Each series is based on specialized hardware product groups providing a fully managed and secured operation for a professional IP video network.

|                      |   |
|----------------------|---|
| <b>V</b>             | Number of <b>video</b> channels + info from supported video |
| <b>D</b>             | Number of <b>data</b> channels                              |
| <b>A</b>             | Number of <b>audio</b> channels                             |
| <b>C<sup>c</sup></b> | Number of <b>contact closure</b> channels                   |
| <b>E</b>             | Number of <b>Ethernet</b> ports                             |
| <b>SFP</b>           | Small form-factor pluggable transceiver                     |
| →                    | One-way/uni-directional (Tx -> Rx)                          |
| ↔                    | Two-way/bi-directional (Tx <-> Rx)                          |

## MCC SERIES D1/4CIF 25/30FPS ENTRY LEVEL CODECS

MCC series encoders are **ONVIF** – compliant products.



MCE301:

1 x **V** HD 1080p  
50/60fps  
or  
1 x **V** D1/4CIF  
25/30fps **H.264, MJPEG**



MCD301:

1 x **V** HD 1080p  
50/60fps  
or  
1 x **V** D1/4CIF  
25/30fps **H.264, MJPEG**

### MCC series – 1 channel stand-alone video encoder and decoder

MCC series is an entry level H.264 codec family for basic video transmission/ networking systems. Stand-alone units are designed for dry indoor environments and have the operational temperature range of -10...+50°C / 14...122°F.

MCE301 are only for encoding and  
MDC301 is only for decoding purposes.

MCC series offers **H.264** and **MJPEG** video formats and has a dual streaming per video input (MCE301 supports 4 streams).

All units support SD resolution composite video as minimum. For High Definition

video operation specific models support HDMI and SDI digital interfacing.

All models have dual channel duplex audio, two serial data ports and I/O ports for sensor/alarm functions. The network interface is either **10/100Base-TX** or **10/100/1000Base-TX** with **PoE PD** ability.

Device management is based on WebUI with a possibility of a live video stream viewing and PTZ control. MCC series is **ONVIF** and **PSIA** compatible.

### MCE301 – 1 channel stand-alone HD/SD video encoder

#### MCE301

PoE PD, 2 x audio, 2 x data, 2 x CC, HDMI & 3G/HD/SD-SDI support, 10/100/1000Base-Tx, quadruple streaming, universal mains adapter included.

**D**<sub>x2</sub> **A**<sub>x2</sub> **C**<sub>x2</sub> **E**<sub>x1</sub>

### MCD301 – 1 channel stand-alone HD/SD video decoder

#### MCD301

PoE PD, 2 x audio, 2 x data, 2 x CC, HDMI & 3G/HD/SD-SDI support, 10/100/1000Base-Tx, Quad viewing or multiple stream decoding in sequences, universal mains adapter included.

**Note! EoL July 2021. Limited stock for spares, contact Teleste sales.**

**D**<sub>x2</sub> **A**<sub>x2</sub> **C**<sub>x2</sub> **E**<sub>x1</sub>



## MPX SERIES D1/4CIF 25/30FPS VIDEO ENCODERS

1x **V** D1/4CIF 25/30fps **MPEG-4, MJPEG**  
MPEG-2



## MPC-E1 series – 1 channel stand-alone video encoder

The MPC-E1 stand-alone video encoder provides transmission of one (1) **full frame rate video channel on D1/4CIF resolution**, bi-directional EIA-RS232/422/485 data channels (2), high quality audio channels (2) and contact closure channel (1) over Fast Ethernet network.

MPC-E1 offers **MPEG-4** and **MJPEG** video compression. **MPEG-2** is an option.

See available **SFP** options for MPX from page 8. Optical connector type is LC.

Temperature hardened operation (-34...+74°C / -29...165°F).

DIN rail mounting kits (MAC001 & MAC002) available as options. A +12 V supply voltage is provided by an optional CPS25x series power supply.

**D**<sub>x2</sub> **A**<sub>x2</sub> **C**<sup>c</sup><sub>x1</sub> **E**<sup>Tx</sup><sub>x1</sub>

## MPC-E1 – Electrical CAT5 network interface (RJ-45 connector)

|                             |                              |                  |
|-----------------------------|------------------------------|------------------|
| <b>MPC-E1JC-FTRXXX-X-E1</b> | MPEG-4/MJPEG, CC opto        | 60 x 130 x 130mm |
| <b>MPC-E1JC-FTRXXX-X-E2</b> | MPEG-2/MPEG-4/MJPEG, CC opto |                  |
| <b>MPC-E1JD-FTRXXX-X-E1</b> | MPEG-4/MJPEG, CC dry         |                  |
| <b>MPC-E1JD-FTRXXX-X-E2</b> | MPEG-2/MPEG-4/MJPEG, CC dry  |                  |

2x **V** D1/4CIF 25/30fps **MPEG-4, MJPEG**  
MPEG-2



## MPC-EZ series – 2 channel stand-alone video encoder

The MPC-EZ stand-alone video encoder provides transmission of two (2) **full frame rate video channels on D1/4CIF resolution**, bi-directional EIA-RS232/422/485 data channels (2), high quality audio channels (2) and contact closure channels (2) over Fast Ethernet network.

MPC-EZ offers **MPEG-4** and **MJPEG** video compression. **MPEG-2** is an option.

See available **SFP** options for MPX from page 8. Optical connector type is LC.

Temperature hardened operation (-34...+74°C / -29...165°F).

DIN rail mounting kits (MAC001 & MAC002) available as options. A +12 V supply voltage is provided by an optional CPS25x series power supply.

**D**<sub>x2</sub> **A**<sub>x4</sub> **C**<sup>c</sup><sub>x2</sub> **E**<sup>Tx</sup><sub>x1</sub>

## MPC-EZ – Electrical CAT5 network interface (RJ-45 connector)

|                             |                              |                  |
|-----------------------------|------------------------------|------------------|
| <b>MPC-EZPI-FTRXXX-X-E1</b> | MPEG-4/MJPEG, CC opto        | 80 x 130 x 130mm |
| <b>MPC-EZPI-FTRXXX-X-E2</b> | MPEG-2/MPEG-4/MJPEG, CC opto |                  |
| <b>MPC-EZPJ-FTRXXX-X-E1</b> | MPEG-4/MJPEG, CC dry         |                  |
| <b>MPC-EZPJ-FTRXXX-X-E2</b> | MPEG-2/MPEG-4/MJPEG, CC dry  |                  |

## MPX SERIES D1/4CIF 25/30FPS VIDEO ENCODERS/DECODERS

4x **V** D1/4CIF 25/30fps **MPEG-4 MJPEG**

or

8x **V** ½D1/2CIF 25/30fps **MPEG-4 MJPEG**



## MPX-E8 series – 4 (or 8) channel rack mount video encoder

The MPX-E8 video encoder provides transmission of **4 (four) full frame rate video channels on D1/4CIF resolution** or **eight (8) full frame rate video channels on ½D1/2CIF resolution**, bi-directional EIA-RS232/422/485 data channels (3), high quality audio channels (2) and complementary bridging Ethernet channel interface over Fast Ethernet network.

MPX-E8 offers **MPEG-4** and **MJPEG** video compression. **MPEG-2** is an option.

See available **SFP** options for MPX from page 8. Optical connector type is LC. There are also more feature rich versions available equipped with eight (8) contact closure channels or four (4) contact closure channels and eight (8) audio channels.

Available in stand-alone 19" wide, 1U high units. Temperature hardened operation (-34...+74°C / -29...165°F).

A +12 V supply voltage is provided by an optional CPS25x series power supply.

**D**<sub>x3</sub> **A**<sub>x2</sub> **E**<sub>x2</sub><sup>Tx</sup>

**D**<sub>x3</sub> **A**<sub>x2</sub> **C**<sub>x8</sub> **E**<sub>x2</sub><sup>Tx</sup>

**D**<sub>x3</sub> **A**<sub>x8</sub> **C**<sub>x4</sub> **E**<sub>x2</sub><sup>Tx</sup>

## MPX-E8 – Electrical CAT5 network interface (RJ-45 connector)

|                          |              |                   |
|--------------------------|--------------|-------------------|
| <b>MPX-E8C0-FTR-X-E1</b> | MPEG-4/MJPEG | 19" wide, 1U high |
|--------------------------|--------------|-------------------|

## MPX-E8 – Electrical CAT5 model with 8 x CC

|                          |                       |                   |
|--------------------------|-----------------------|-------------------|
| <b>MPX-E8CC-FTR-A-E1</b> | MPEG-4/MJPEG, CC opto | 19" wide, 1U high |
| <b>MPX-E8CC-FTR-B-E1</b> | MPEG-4/MJPEG, CC dry  |                   |

## MPX-E8 – Electrical CAT5 model with 8 x audio &amp; 4 x CC

|                          |                       |                   |
|--------------------------|-----------------------|-------------------|
| <b>MPX-E8CA-FTR-C-E1</b> | MPEG-4/MJPEG, CC opto | 19" wide, 1U high |
| <b>MPX-E8CA-FTR-D-E1</b> | MPEG-4/MJPEG, CC dry  |                   |

8x **V** D1/4CIF 25/30fps **MPEG-4, MJPEG MPEG-2**



## MPX-D8 series – 8 channel rack mount video decoder

The MPX-D8 video decoder provides simultaneous reception and decoding of **eight (8) full frame rate video channels on D1/4CIF resolution**, bi-directional EIA-RS232/422/485 data channels (3), high quality audio channels (2) and complementary bridging Ethernet channel interface over Fast Ethernet network.

MPX-D8 supports **MPEG-4**, **MJPEG** and **MPEG-2** video compression.

See available **SFP** options for MPX from page 8. Optical connector type is LC.

There are also more feature rich versions available equipped with four (4) contact closure channels and eight (8) audio channels or eight (8) contact closure channels.

Available in stand-alone 19" wide, 1U high units. Temperature hardened operation (-34...+74°C / -29...165°F).

A +12 V supply voltage is provided by an optional CPS25x series power supply.

**D**<sub>x3</sub> **A**<sub>x2</sub> **E**<sub>x2</sub><sup>Tx</sup>

**D**<sub>x3</sub> **A**<sub>x2</sub> **C**<sub>x8</sub> **E**<sub>x2</sub><sup>Tx</sup>

## MPX-D8 – Electrical CAT5 network interface (RJ-45 connector)

|                          |                     |                   |
|--------------------------|---------------------|-------------------|
| <b>MPX-D8C0-FTR-X-D1</b> | MPEG-2/MPEG-4/MJPEG | 19" wide, 1U high |
|--------------------------|---------------------|-------------------|

## MPX-D8 – Electrical CAT5 model with 8 x audio &amp; 4 x CC

|                          |                              |                   |
|--------------------------|------------------------------|-------------------|
| <b>MPX-D8CC-FTR-A-D1</b> | MPEG-2/MPEG-4/MJPEG, CC opto | 19" wide, 1U high |
| <b>MPX-D8CC-FTR-B-D1</b> | MPEG-2/MPEG-4/MJPEG, CC dry  |                   |

## SPARE PARTS FOR LEGACY MPC/MPX OPTICAL MODELS



**SFP** MPC/MPX  
100Base-Fx

## SFP transceivers for MPC/MPX series video encoders and decoders

The SFP (small form-factor pluggable) modules listed below can be used in conjunction with the MPC and MPX configurations shown in pages 7...13.

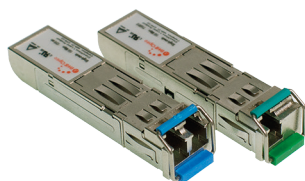
SFP wideband optics (1310 & 1550 nm) are feasible for temperature hardened operation (-40...+85°C / -40...+185°F). SFP transceivers can be ordered separately\*.

## SFP modules for Fast Ethernet (Suitable for MPC/MPX series, also MPC-SF FE switches)

|                |            |                           |                     |   |
|----------------|------------|---------------------------|---------------------|---|
| <b>MSF111A</b> | <b>FS1</b> | MM 1310nm                 | 12 dB, 2km / 1.2mi  | 2 x LC<br>-40...+85°C /<br>-40...+185°F |
| <b>MSF214A</b> | <b>FS2</b> | SM 1310nm                 | 19 dB, 30km / 18mi  |   |
| <b>MSF218A</b> | <b>FL2</b> | SM 1310nm                 | 30 dB, 60km / 37mi  |   |
| <b>MSF224A</b> | <b>FS3</b> | SM 1550nm                 | 19 dB, 20km / 12mi  |   |
| <b>MSF228A</b> | <b>FL3</b> | SM 1550nm                 | 30 dB, 100km / 62mi | 1 x LC<br>-40...+85°C /<br>-40...+185°F |
| <b>MSF425A</b> | <b>FSA</b> | SM BIDI Tx1310 / Rx1550nm | 23 dB, 25km / 15mi  |   |
| <b>MSF435A</b> | <b>FSB</b> | SM BIDI Tx1550 / Rx1310nm | 23 dB, 25km / 15mi  |   |
| <b>MSF427A</b> | <b>FLA</b> | SM BIDI Tx1310 / Rx1550nm | 29 dB, 60km / 37mi  |   |
| <b>MSF437A</b> | <b>FLB</b> | SM BIDI Tx1550 / Rx1310nm | 29 dB, 60km / 37mi  |   |

\* Alias code (column 2) is used for option class definition when creating MPX configuration

## SPARE PARTS FOR LEGACY MPH OPTICAL MODELS


**SFP** MPH100/400  
100Base-Fx

## SFP transceivers for MPH series video encoders

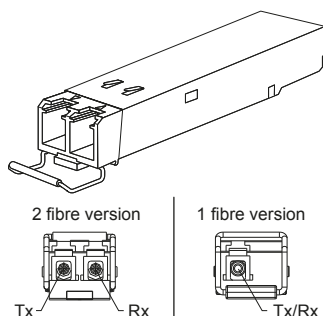
The SFP (small form-factor pluggable) modules listed below can be used in conjunction with the MPH encoders.

Most of the SFP models are feasible for temperature hardened operation (-40...+85°C / -40...+185°F). SFP transceivers can be ordered separately.

## SFP modules for Fast Ethernet (Suitable only for MPH100/400 series)

|                |                  |                      |                                      |
|----------------|------------------|----------------------|--------------------------------------|
| <b>MIF111D</b> | MM 1310nm, SGMII | 11 dB, 2km / 1.2mi   | 2 x LC<br>-10...+70°C / +14...+158°F |
| <b>MIF111E</b> | MM 1310nm, SGMII | 11 dB, 2km / 1.2mi   | 2 x LC<br>-35...+75°C / -31...+167°F |
| <b>MIF214E</b> | SM 1310nm, SGMII | 16 dB, 30km / 18mi * |                                      |

**Note!** This range of Fast Ethernet SFPs are compatible only for MPH100/400 series, due to specific internal SGMII interface.

**SFP** MPH100/200/400  
1000Base-Tx/Fx


2 x LC = dual fibre,  
1 x LC = single fibre.

## SFP modules for Gigabit Ethernet (Suitable for MPH100/200/400 series)

|                   |                         |                      |  |
|-------------------|-------------------------|----------------------|--|
| <b>MSG010C</b>    | CAT5 1000Base-T         | 100m / 328ft         | RJ-45 female<br>0...+70°C / +32...+158°F |
| <b>MSG020C</b>    | CAT5 10/100/1000Base-T  |                      |  |
| <b>MSG101B</b>    | MM 850nm                | 8.5 dB, 1km / 0.6mi  | 2 x LC<br>-40...+85°C / -40...+185°F     |
| <b>MSG111A</b>    | MM 1310nm               | 10 dB, 2km / 1.2mi * |  |
| <b>MSG211A</b>    | SM 1310nm               | 10.5 dB, 10km / 6mi  |  |
| <b>MSG214A</b>    | SM 1310nm               | 20 dB, 30km / 18mi   |  |
| <b>MSG222A</b>    | SM 1550nm               | 12 dB, 30km / 18mi   |  |
| <b>MSG224A</b>    | SM 1550nm               | 20 dB, 50km / 31mi   |  |
| <b>MSG226A</b>    | SM 1550nm               | 24 dB, 70km / 43mi   |  |
| <b>MSG228B</b>    | SM 1550nm               | 30 dB, 110km / 68mi  |  |
| <b>MSG321A</b>    | MM BD Tx1310 / Rx1550nm | 10 dB, 550m / 1804ft | 1 x LC<br>-40...+85°C / -40...+185°F     |
| <b>MSG331A</b>    | MM BD Tx1550 / Rx1310nm | 10 dB, 550m / 1804ft |  |
| <b>MSG422A</b>    | SM BD Tx1310 / Rx1550nm | 12 dB, 10km / 6mi    |  |
| <b>MSG432A</b>    | SM BD Tx1550 / Rx1310nm | 12 dB, 10km / 6mi    |  |
| <b>MSG424A</b>    | SM BD Tx1310 / Rx1550nm | 20 dB, 40km / 24mi   |  |
| <b>MSG434A</b>    | SM BD Tx1550 / Rx1310nm | 20 dB, 40km / 24mi   |  |
| <b>MSG443A</b>    | SM BD Tx1310 / Rx1490nm | 15 dB, 20km / 12mi   |  |
| <b>MSG453A</b>    | SM BD Tx1490 / Rx1310nm | 15 dB, 20km / 12mi   |  |
| <b>MSG422A SC</b> | SM BD Tx1310 / Rx1550nm | 12 dB, 10km / 6mi    | 1 x SC/PC<br>-40...+85°C / -40...+185°F  |
| <b>MSG432A SC</b> | SM BD Tx1550 / Rx1310nm | 12 dB, 10km / 6mi    |  |

\* 1km / 0.6mi for 50/125µm fibre

## MES SERIES MANAGED ETHERNET SWITCHES

### MES series – 6 and 10 port Ethernet switches



MES106:

Local ports (10/100 TX) **E<sub>TX</sub>** **E<sub>SFP</sub>** Uplink ports (100/1000 FX)

MES110 & 210:

Local ports (10/100 TX) **E<sub>TX</sub>** **E<sub>SFP</sub>** Uplink ports (100/1000 FX)

MES series is line of managed Ethernet switches for video networking applications. The electrical local Fast Ethernet ports support full wire speed. Switches have two Uplink ports to cater either FE or GigE level SFP transceiver modules.

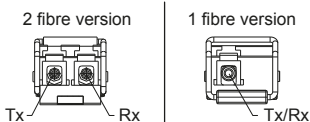
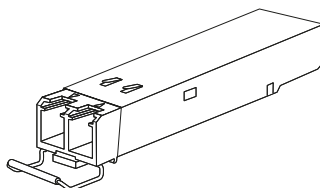
Cabling installations are made easy with the MDI/MDIX, auto-polarity and auto-mode supported 10/100Base-TX local ports. The Uplink interfaces, either one or two, support 100Base-FX or 1000Base-TX/FX SFPs (auto-recognition).

MES switches have support for features such as IGMP snooping, multiple VLAN features, QoS and security functions and a high network resiliency based on STP/RSTP/FRNT protocols. Versatile management is covered by WebUI

(HTTP or HTTPS) and SNMP. In addition the MES series offers also a router version with L2/L3-switching capability.

Available in a robust and compact stand-alone units. Temperature hardened for -40...+70°C / -40...+158°F operation. Very low power consumption, no active cooling required. Superior EMC and mechanical characteristics to meet harsh industrial, transportation and rail environments.

Default installation support to DIN rails. A wall mount kit available as option (MAC007). Dual supply voltage input (redundant) for 24 VDC. Optional mains adapter CPS45x can be used for typical installations. An industrial graded PSU is available on request.



2 x LC = dual fibre,  
1 x LC = single fibre.

#### MES106/110 – Managed layer 2 ethernet switch, SFPs not included

|               |                           |                                |
|---------------|---------------------------|--------------------------------|
| <b>MES106</b> | 6-port managed L2 switch  | Local FE (4), Uplink FE/GE (2) |
| <b>MES110</b> | 10-port managed L2 switch | Local FE (8), Uplink FE/GE (2) |

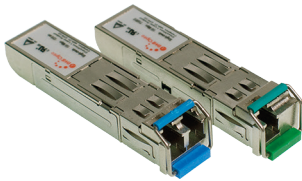
#### MES210 – Managed layer 3 ethernet switch/router, SFPs not included

|               |                                  |                                |
|---------------|----------------------------------|--------------------------------|
| <b>MES210</b> | 10-port managed L3 switch/router | Local FE (8), Uplink FE/GE (2) |
|---------------|----------------------------------|--------------------------------|

#### Fast Ethernet SFP transceivers for MES Ethernet switch

|                |                           |                      |                                      |
|----------------|---------------------------|----------------------|--------------------------------------|
| <b>MWF111A</b> | MM 1310nm                 | 12 dB , 2km / 1.2mi  | 2 x LC<br>-40...+85°C / -40...+185°F |
| <b>MWF214A</b> | SM 1310nm                 | 19 dB , 30km / 18mi  |                                      |
| <b>MWF218A</b> | SM 1310nm                 | 30 dB , 60km / 37mi  |                                      |
| <b>MWF228A</b> | SM 1550nm                 | 30 dB , 100km / 62mi |                                      |
| <b>MWF321A</b> | MM BIDI Tx1310 / Rx1550nm | 18 dB , 2km / 1.2mi  | 1 x LC<br>-40...+85°C / -40...+185°F |
| <b>MWF331A</b> | MM BIDI Tx1550 / Rx1310nm | 18 dB , 2km / 1.2mi  |                                      |
| <b>MWF424A</b> | SM BIDI Tx1310 / Rx1550nm | 18 dB , 20km / 12mi  |                                      |
| <b>MWF434A</b> | SM BIDI Tx1550 / Rx1310nm | 18 dB , 20km / 12mi  |                                      |





## Gigabit SFP transceivers for MES Ethernet switch

|                |                           |                     |  |
|----------------|---------------------------|---------------------|--|
| <b>MWG010C</b> | Electrical 1000Base-T     | 100m / 328ft        | RJ-45 female<br>0...+70°C / +32...+158°F |
| <b>MWG111A</b> | MM 1310nm                 | 10 dB, 2km / 1.2mi  | 2 x LC<br>-40...+85°C / -40...+185°F     |
| <b>MWG211A</b> | SM 1310nm                 | 10.5 dB, 10km / 6mi |  |
| <b>MWG224A</b> | SM 1550nm                 | 20 dB, 50km / 31mi  |  |
| <b>MWG443A</b> | SM BIDI Tx1310 / Rx1490nm | 15 dB, 20km / 12mi  | 1 x LC<br>-40...+85°C / -40...+185°F     |
| <b>MWG453A</b> | SM BIDI Tx1490 / Rx1310nm | 15 dB, 20km / 12mi  |  |
| <b>MWG426A</b> | SM BIDI Tx1310 / Rx1550nm | 25 dB, 60km / 37mi  |  |
| <b>MWG436A</b> | SM BIDI Tx1550 / Rx1310nm | 22 dB, 60km / 37mi  |  |
| <b>MWG465A</b> | SM BIDI Tx1510 / Rx1570nm | 22 dB, 80km / 49mi  |  |
| <b>MWG475A</b> | SM BIDI Tx1570 / Rx1510nm | 22 dB, 80km / 49mi  |  |

## POWER OVER ETHERNET (POE) ETHERNET SWITCHES

## XEW series – 10 port managed Power over Ethernet (Ultra PoE) switch



XEW610:

Local ports (10/100 TX) **ETX**<sub>x8</sub> **ESFP**<sub>x2</sub> Uplink ports (100/1000 FX)

XEW610 is a managed layer-2 Gigabit Ethernet switch with Ultra PoE capability. The switch has 8 FE electrical local ports and 2 GbE uplink ports for 100 or 1000 Mbps SFP transceivers.

The total PoE power budget is 240 W. Any electrical port is capable of providing max 60 W, lower PoE levels are as with 802.3 af/at standards.

XEW610 is temperature hardened for -40...+75°C / -40...+167°F operation. Housing protection class is IP30, DIN rail mounting is supported. Operational supply voltage is 52...57 VDC with dual input.

## XEW610 – Managed layer-2 PoE switch, SFPs not included

|               |                               |   |
|---------------|-------------------------------|---|
| <b>XEW610</b> | 10-port managed L2 PoE switch | Local FE (8 x TX), Uplink FE or GbE (2 x SFP) |
|---------------|-------------------------------|---|

## TNW series – EN50155 approved managed Power over Ethernet (PoE) switch



TNW553L/H:

Local ports (10/100 TX) **ETX**<sub>x9</sub> **ETX**<sub>x3</sub> Uplink ports (1000 TX)

TNW553x is a managed layer-2 Gigabit Ethernet PoE switch designed for rail rolling stock systems. The switch has 9 FE ports and 3 GbE uplink ports, all ports are with M12 connectors.

The total power budget is 61,6 W. Max power on a single port is 30 W as with 802.3af/at standards.

TNW553x is EN50155 hardened for -40...+70°C / -40...+158°F operation. Housing protection class is IP67. Nominal supply voltages are 24 & 36 VDC (model L) and 48 to 110 VDC (model H).

## TNW series – Managed rail-approved layer-2 PoE switch

|                |   |  |
|----------------|---|--|
| <b>TNW553L</b> | 12-port managed L2 PoE switch, low voltage  | Local FE (9 x TX), Uplink GbE (3 x TX) |
| <b>TNW553H</b> | 12-port managed L2 PoE switch, high voltage | Local FE (9 x TX), Uplink GbE (3 x TX) |

## MPX-U SERIES FHD/HD/D1/4CIF 25/30FPS VIDEO DECODERS

### MPU-D1 series – universal 1 channel stand-alone video decoder



The MPU-D1 stand-alone video decoder provides, depending on the model, simultaneous reception and decoding of one (1) full frame rate video channel on HDMI at 1080p resolution or analogue CVBS output at D1/4CIF resolution, over Gigabit Ethernet network.

MPC-D1 supports H.264, H.265, MPEG-4, MJPEG and MPEG-2 video compression.

Bidirectional EIA-RS232/422/485 data channel (1) and contact closure channels (4/4) are available as factory option.

Temperature hardened operation (-34...+74°C / -29...165°F).

A +12 V supply voltage is provided by an optional CPS25x series power supply.

#### MPU-D1 – Electrical CAT5 network interface (RJ-45 connector)

|                        |  |                        |
|------------------------|--|------------------------|
| <b>MPU-D1X-01</b>      | H.264/H.265/MPEG-2/MPEG-4/MJPEG, HDMI      | 89 x<br>171 x<br>215mm |
| <b>MPU-D1X-01-NTSC</b> | H.264/H.265/MPEG-2/MPEG-4/MJPEG, HDMI/NTSC |                        |
| <b>MPU-D1X-01-PAL</b>  | H.264/H.265/MPEG-2/MPEG-4/MJPEG, HDMI/PAL  |                        |

## MPX ACCESSORIES

### Accessories for MPH, MPC, MPX, MES and MCC units



MSR419 Installation frame for MPH400 devices.



MPS12x Power supply for MSR419 installation frame.



CVU014 Ventilation frame.



CPS25x power supply.

The perfect combination of accessories makes installation easier for you. Teleste offers a range of accessories that perfectly complement one to another.

This gives you the opportunity to assemble systems that perfectly reflect your individual needs.

#### Rack installation accessories (for MPH400 series)

|               |   |  |
|---------------|---|--|
| <b>MSR416</b> | 19" 3U installation frame, front loading, PSU at rear | For 16 x MPH400 series modules         |
| <b>MPS120</b> | Power supply for MSR416                               | 230VAC / 120W, without mains cable     |
| <b>MPS121</b> |   | 230VAC / 120W, EU mains cable (CPC521) |
| <b>MPS122</b> |   | 230VAC / 120W, UK mains cable (CPC522) |
| <b>MPS123</b> |   | 115VAC / 120W, US mains cable (CPC523) |
| <b>CPC521</b> | Lockable IEC power cord for MPS12x power supply       | EU plug, 2m                            |
| <b>CPC522</b> |   | UK plug, 2m                            |
| <b>CPC523</b> |   | US plug, 2m                            |
| <b>MCP401</b> | Cover plate for MSR416                                | To cover one unit wide slot            |
| <b>MCP404</b> |   | To cover four unit wide slot           |
| <b>CVU014</b> | Passive ventilation frame                             | 19" 1U, cable management shelf         |

## MPX ACCESSORIES

## Accessories for MPH, MPC, MPX, MES and MCC units



MAC001 DIN rail mounting kit for MPC rear assembly.



MAC003 DIN rail mounting kit for MPH100 rear assembly.

## Stand-alone installation accessories (for MPH, MPC, MPX, MCC &amp; MES series)

|                 |  |  |
|-----------------|--|--|
| <b>MAC001</b>   | DIN rail mounting kit for MPC rear assembly    | includes mounting plate and screws         |
| <b>MAC002</b>   | DIN rail mounting kit for MPC side assembly    |  |
| <b>MAC003*</b>  | DIN rail mounting kit for MPH100 rear assembly |  |
| <b>MAC004*</b>  | DIN rail mounting kit for MPH100 side assembly |  |
| <b>MAC005*</b>  | DIN rail mounting kit for MPH200 rear assembly |  |
| <b>MAC006*</b>  | DIN rail mounting kit for MPH200 side assembly |  |
| <b>MAC007</b>   | Wall mounting kit for MES rear assembly        | includes mounting plate only               |
| <b>MAC008</b>   | Wall mount for CPS series mains adapters       | includes wall bracket only                 |
| <b>MRC0124*</b> | Rack shelf for two MCC104 units                | 19" 1RU, rear panel cables included        |
| <b>MRC0122</b>  | Rack shelf for two MCC101 or MCC201 units      |  |
| <b>MRC0122H</b> | Rack shelf for two MCC101 or MCC201 units      | 19" 1RU, without cables                    |
| <b>CPS250</b>   | 12VDC power supply for MPC/MPX/MPH units       | 230VAC 12V/2.1A**, without mains cable     |
| <b>CPS251</b>   |  | 230VAC 12V/2.1A**, EU mains cable (CPC521) |
| <b>CPS252</b>   |  | 230VAC 12V/2.1A**, UK mains cable (CPC522) |
| <b>CPS253</b>   |  | 115VAC 12V/2.1A**, US mains cable (CPC523) |
| <b>CPS450</b>   | 24VDC power supply for MES ethernet switches   | 115/230VAC 24VDC/1A*** without mains cable |
| <b>CPS451</b>   |  | 230VAC 24V/1A***, EU mains cable (CPC521)  |
| <b>CPS452</b>   |  | 230VAC 24V/1A***, UK mains cable (CPC522)  |
| <b>CPS453</b>   |  | 115VAC 24V/1A***, US mains cable (CPC523)  |

\* **Note! These items are in rampdown mode, EoL statement to follow in 2022**

\*\* +74°C / +165°F

\*\*\* +60°C / +140°F



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