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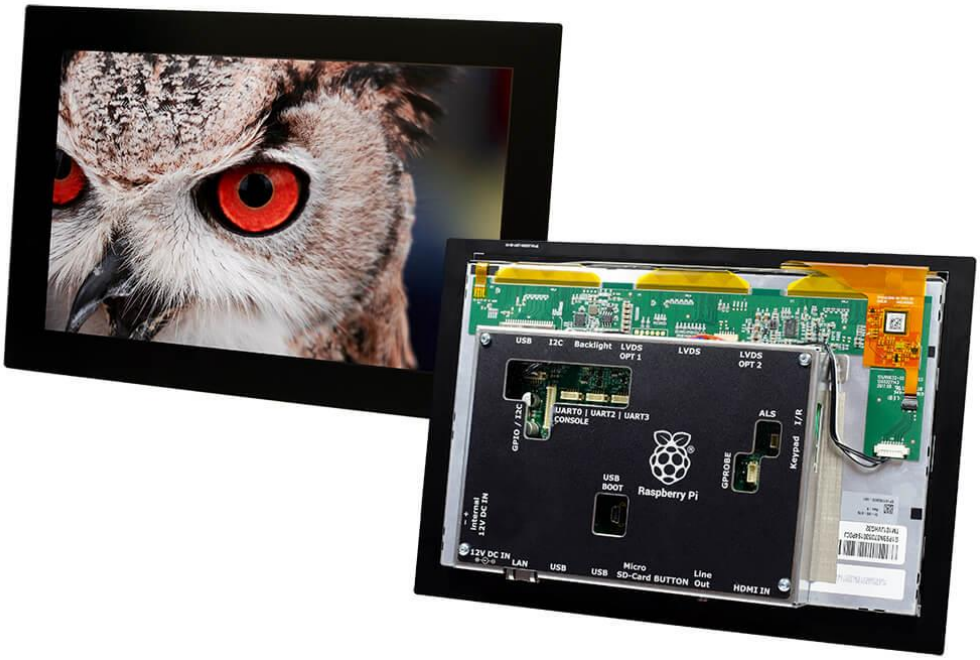
Datasheet

Distec

IoT-CP-TM101JVHG32-01-00

10.1" IoT Compact Panel with PCAP Touchscreen

DI-06-015



Version 2.1

14.01.2021

Table of Contents

1 Revision History

Date	Rev.No.	Description	Page
29.04.2020	1.0	Initial release	All
10.06.2020	2.0	Updated image	2
14.01.2021	2.1	Revised description, order of characteristics and new cover/last page	5, 6

2 Description

Distec's 10.1" IoT-CP-TM101JVHG32-01-00 IoT Compact Panel is an open frame design TFT display solution, featuring the Raspberry Pi CM3+ based TFT Artista-IoT. Therefore, it is the perfect solution for Industry 4.0 and Internet of Things projects. Its modular based construction allows an easy integration into customer's applications.

Its robust but slim cover offers all options for integration and various applications. The IoT Compact Panels are equipped with an industrial high-brightness display and are designed for long term availability.

The Compact Panel Series features:

- an integrated 5 finger PCAP touchscreen
- protection by a 1.1mm hardened front glass with black passe-partout
- SFT technology for wide viewings angles and readability
- Versatility for usage in different applications such as gaming, amusement, industry and stand-alone GUI (Graphic User Interface)

Artista-IoT offers all advantages of a modern ARM processor platform:

- driven by single 12V power supply (24V in development)
- in comparison to RaspberryPi standard industrial functions like Real-Time-Clock and others
- Basis configuration: CM3+/8GB (optional 16GB or 32GB)
- Standard configuration: Raspian
- LAN, HDMI-IN 1.4, 2xUSB as front interfaces, Micro-SD card reader
- An OSD keypad for full access to OSD menu board (➔ PrismaMedia-Eco Datasheet)
- *As Option*: Wireless - or Bluetooth adapters to be connected via LAN or USB
- *As Option*: supply as VideoPoster network video player (➔ VideoPoster IV Manual)

Users are able to program their own applications on a Raspberry Pi basis or using all operating systems and application programs, which are supplied and supported by the large community.

3 Characteristics

Items	Unit	Specification
Screen Diagonal	[inch]\[mm]	10.1 / 25.654
Pixels H x V		1280 (RGB) x 800 XGA
Supported Colors		262K / 16.7M
Brightness	[cd/m²]	850
Viewing Angle	v/h	170°/170°
Nominal Input Voltage	[V]	12
Typical Power Consumption	[W]	6.6
Electrical Interface		100Mbit Ethernet, USB, GPIO, I²C, UART, HDMI, 12V power, Micro SD, Audio Line Out, GPIO
PCAP Touchscreen Touchpoints	pcs	5
Storage Temperature	[°C]	-30 to +80
Operating Temperature Range	[°C]	-20 to +70
Physical Size H x V x D	[mm]	259 x 177 x 34,8
Active Area H x V	[mm]	216.96 x 135.60
Weight	[kg]	0.79

3.1 Further Specifications

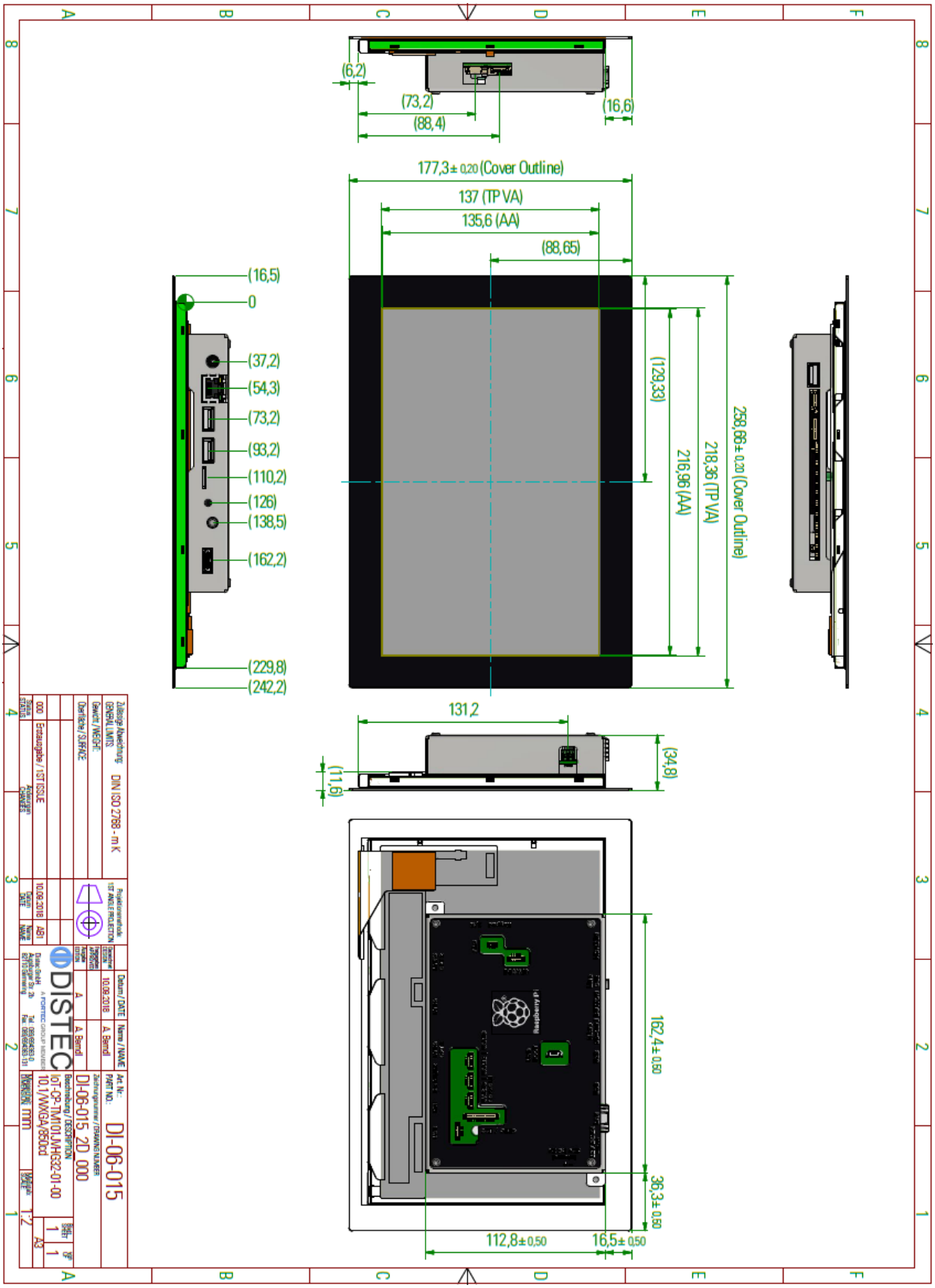
3.1.1 TFT-Display

TM101JDHG30-00 Datasheet

3.1.2 TFT Controller

Distec Artista-Media III Datasheet
Raspberry Pi Compute Module 3 (CM3) Datasheet

4 Mechanical Drawing



5 Optional Accessories

We offer various accessories for the Artista-IoT e.g. cables, sensors, remote control etc. Please refer to the following pdf for the latest accessories overview:

Artista-IoT Accessories

6 Software for the IoT Compact Panels

There is a wide range of software available for the IoT Compact Panels. Please click on the logos to visit the websites for more information:

6.1 Operating systems

6.1.1 Raspbian O/S

+ = Raspbian

Raspbian is a free operating system based on Debian optimized for the Raspberry Pi hardware.

6.1.2 Emteria O/S

EMTERIA

Emteria is an O/S based on industrial Android 7.x, providing a simplified development process.

6.2 Application Software

6.2.1 Info Beamer

Info Beamer is capable of displaying any kind of information since it is fully programmable e.g.for synchronized content and full HD video playback.

6.2.2 VideoPoster-IV

VideoPoster is a full HD capable network player. MPEG media files are played from an SD card. Videos are transferred via USB or Ethernet.

Our company network supports you worldwide with offices in Germany, Austria, Switzerland, the UK and the USA. For more information please contact:

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