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Datasheet

Distec

POS-IQ-101-00-PRO

10.1" Monitor with x86

MO-06-103



Version 0.5

14.01.2021

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Preliminary

1 Revision History

Date	Rev.No.	Description	Page
10.12.2019	0.1	Preliminary Version	All
02.04.2020	0.2	Updated drawings and specs (Physical Size from "263.7 x 182.3 x 48.6" to "264.1 x 182.7 x 48.6" and Active Area from "216.96 x 135.60" to "218.4 x 137")	6-7
08.07.2020	0.3	> Storage temperature changed from -30°C - +70°C to 0°C- +70°C > Operating temperature changed from 0°C - +50°C to 0°C - +60°C > updated last page	6, 11
12.08.2020	0.4	Nominal Input Voltage changed from 12 to 9-36V	6
14.01.2021	0.5	Revised description, order of characteristics and new cover/last page	5, 6

2 Description

Distec's 10.1" POS-IQ-101-00-PRO is a CE certified/IP65 proof front monitor solution, powered with an integrated State-of-the-Art embedded PC. Therefore, it is the perfect platform for high-performance visualization projects.

Its robust but slim cover offers all options for integration and various applications. The POS-IQ-101-00-PRO is equipped with an industrial high-brightness display and is designed for long term availability.

The POS-IQ Series features:

- an integrated 5 finger PCAP touchscreen
- an ambient light sensor for automatic brightness adjustment to ambient light conditions
- integrated passive cooling, which allows operating the system under full load even at high ambient temperatures
- VESA Mounting holes for using it as an HMI, mounted on a swivel arm or monitor stand
- As Option: in-wall mounting frame for a variety of integrations in concrete, wooden, or drywall constructions

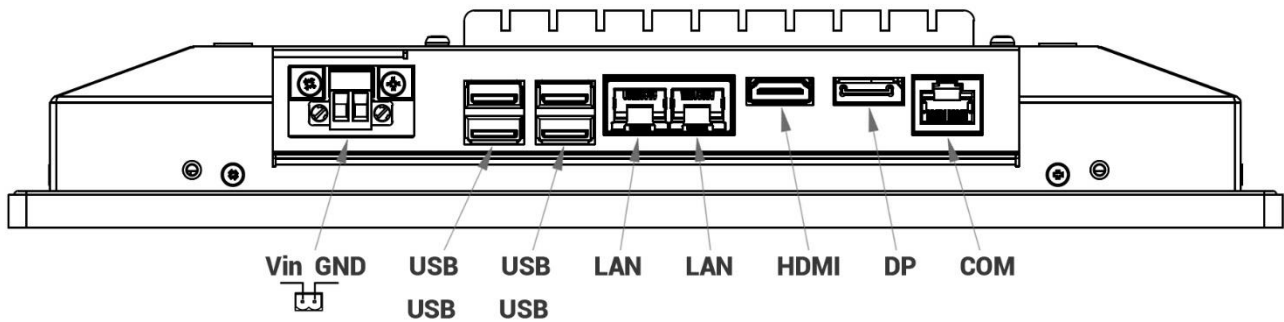
The integrated IPC offers all advantages of a modern 64bit x86 PC:

- High performance for a passive system due to an Intel® Pentium® N4200 processor
- Dual Gigabit Ethernet, 4 x USB 3.0
- HDMI 1.4b, DisplayPort 1.2 and RS-232/422/485 interfaces
- 4GB highspeed RAM and an industrial grade SSD with 64GB memory
- driven by single 12V power supply
- As Option: Wireless - or Bluetooth adapters to be connected via LAN or USB

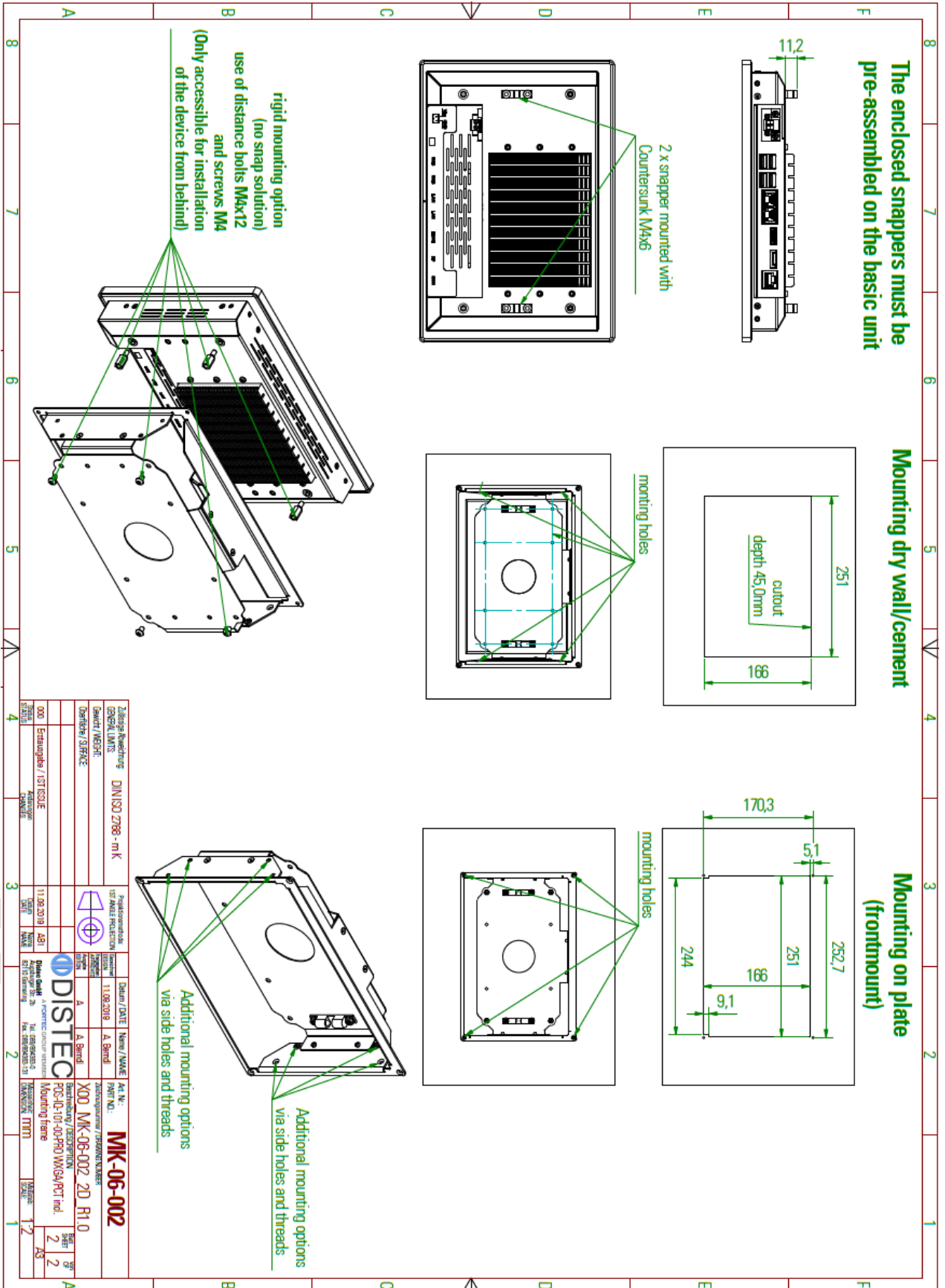
3 Characteristics

Items	Unit	Specification
Screen Diagonal	[inch]	10.1
Pixels H x V		1280 x 800
Supported Colors		262K (6bit color) / 16.7M (8bit color)
Brightness	[cd/m ²]	850
Viewing Angle	v/h	85/85/85/85
Nominal Input Voltage	[V]	9-36
Typical Power Consumption	[W]	22
Memory	GB	4
SSD	GB	64
Electrical Interface		2 x Gbit LAN, 4 x USB 3.0, HDMI, DisplayPort, 1 x RS-232/422/485
PCAP Touchscreen Touchpoints	finger	10
Storage Temperature	[°C]	0 to +70
Operating Temperature Range	[°C]	0 to +60
IP rating		Front IP65
Physical Size H x V x D	[mm]	264.1 x 182.7 x 48.6
Active Area H x V	[mm]	218.4 x 137
Weight	[kg]	1.7

3.1 Interfaces



5.1.1 Mounting instruction



Produktionsnr.:	DIN ISO 2798 - m K	Datum / DATE:	11.08.2018	Name / NAME:	A. Bernd	Teil-Nr. / PART NO.:	X00 MK-06-002 2D R1.0	Reise / TRIP:	2
Gener. LMTS:		Produktionsnr. / ORDER NUMBER:		Name / NAME:	A. Bernd	Teil-Nr. / PART NO.:		Reise / TRIP:	2
Genfert. / MFG:		Produktionsnr. / ORDER NUMBER:		Name / NAME:	A. Bernd	Teil-Nr. / PART NO.:		Reise / TRIP:	2
Operative SURFACE:		Produktionsnr. / ORDER NUMBER:		Name / NAME:	A. Bernd	Teil-Nr. / PART NO.:		Reise / TRIP:	2
Einbaueinheit / IOT DEVICE:		Produktionsnr. / ORDER NUMBER:		Name / NAME:	A. Bernd	Teil-Nr. / PART NO.:		Reise / TRIP:	2
Einbaueinheit / IOT DEVICE:		Produktionsnr. / ORDER NUMBER:		Name / NAME:	A. Bernd	Teil-Nr. / PART NO.:		Reise / TRIP:	2
Einbaueinheit / IOT DEVICE:		Produktionsnr. / ORDER NUMBER:		Name / NAME:	A. Bernd	Teil-Nr. / PART NO.:		Reise / TRIP:	2

6 Software for the POS-IQ-PRO Series

Linux	Windows 10 64-bit	Windows 10 IoT 64-bit
✓	✓	✓

Preliminary

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