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Datasheet

Distec

POS-IQ-101-00-PRO

10.1" Monitor with x86

MO-06-103



Version 1.3

13.09.2023

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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
16.07.2021	1.0	Release Version; Software Flyer added	5
27.07.2021	1.1	New Template	all
08.09.2021	1.2	Optional Accessories: Overview	8
13.09.2023	1.3	12-24V	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-24V power supply
- *As Option:* Wireless - or Bluetooth adapters to be connected via LAN or USB

Available Software:

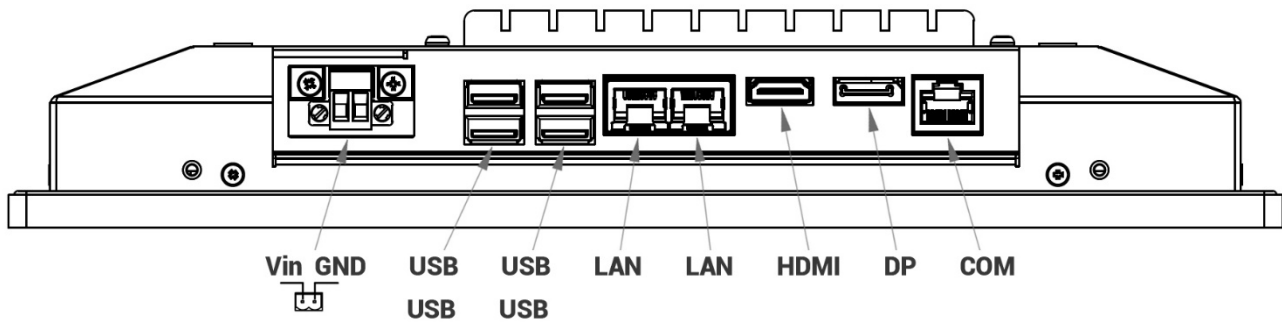
The POS-IQ-PRO series is shipped with Windows 10 embedded off the shelf. Of course the device can be used with different operation systems and various application software can be installed.

- More details regarding available application software and operating systems can be found in the [flyer](#)

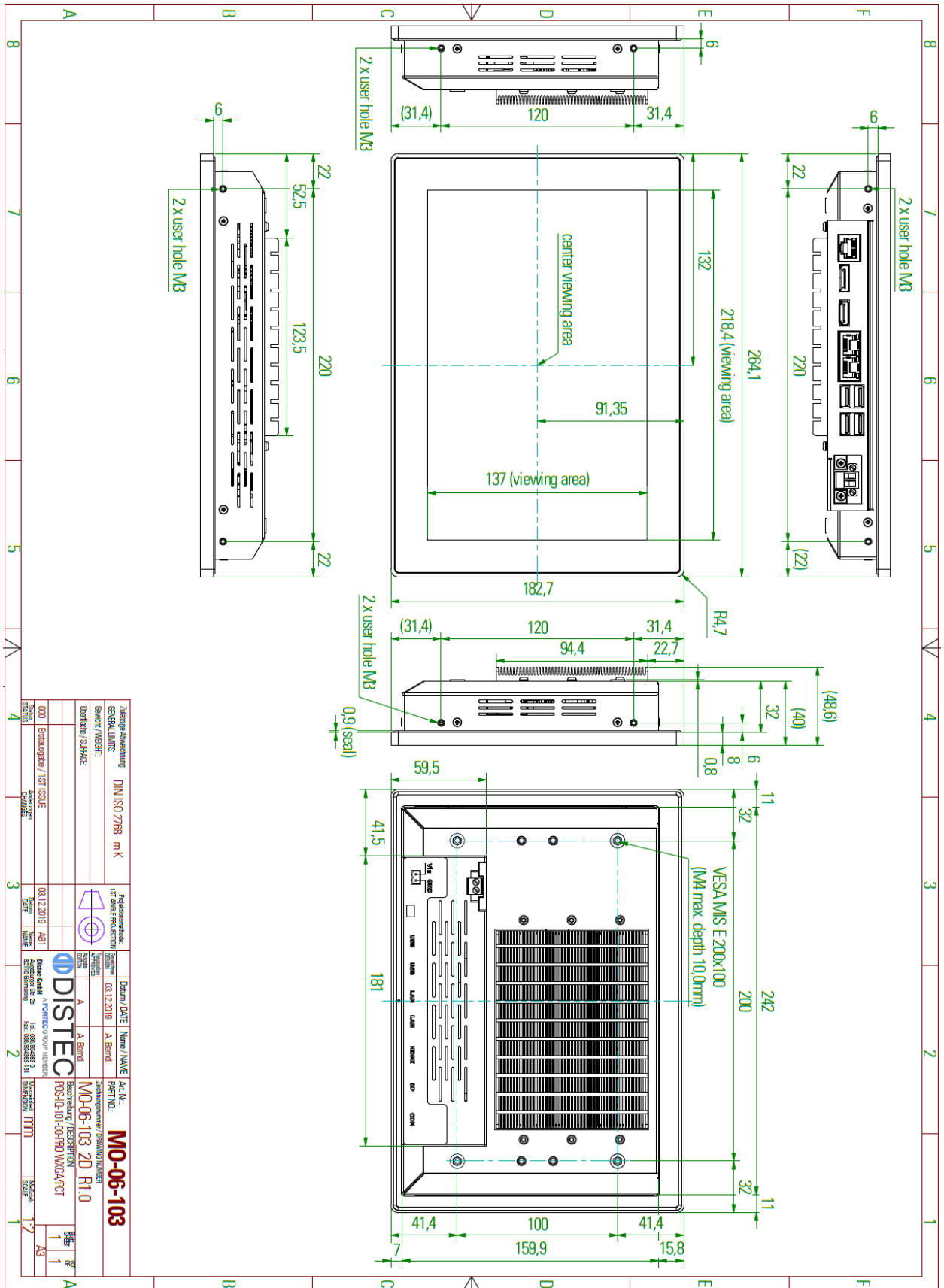
3 Characteristics

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]	12-24
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	5
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



4 Mechanical Drawing

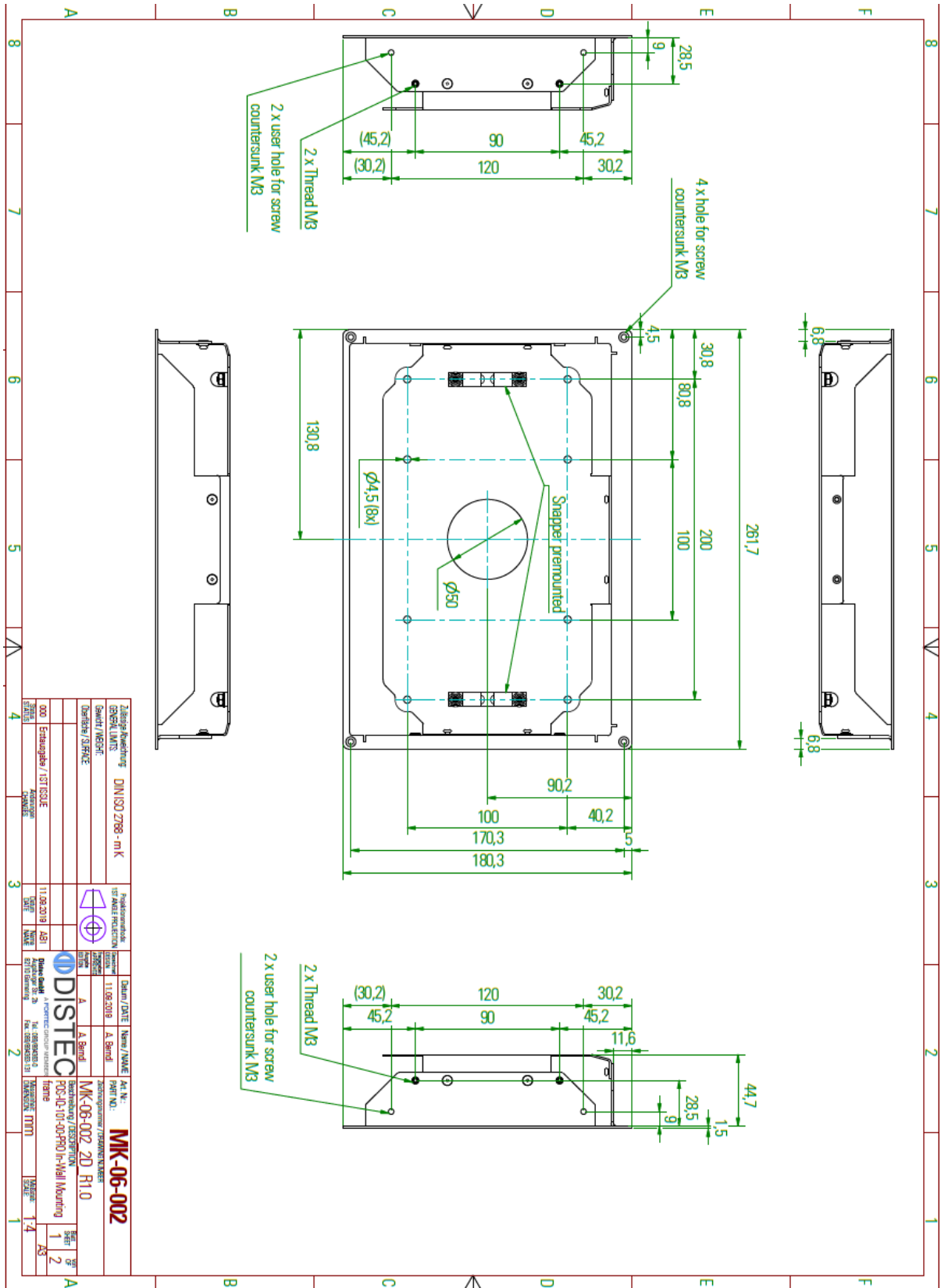


5 Optional Accessories

5.1 Overview

Mounting		
In-Wall Mounting Frame	MK-06-002	POS-IQ-101-00-PRO In-Wall mounting Frame
Power Supply Unit		
PSU 12V/5A	NT-01-062	AC Adapter CWT KPL-060F-VI(C14/12V5A)2,1
Power Cord EU	DB-07-225	IEC PowerCord (EU-C13) 3x0,75 black 1,8m
Power Cord UK	DB-07-226	Power Cord (UK - C13) black 1,8m
Power Cord USA	DB-07-238	Power Cord (US-C13) black 1,8m/6 feet
Other		
WiFi	PC-05-071	DELOCK 12462 WLAN Stick/Antenna USB 2.0

5.2 Mounting Frame



5.2.1 Mounting instruction

The enclosed snappers must be pre-assembled on the basic unit

2 x snapper mounted with Countersunk M4x6

Mounting dry wall/cement

output
depth 45,0mm

251
186

mounting holes

Mounting on plate (frontmount)

252,7
251
186
170,3
9,1
244
5,1

mounting holes

rigid mounting option
(no snap solution)
use of distance bolts M4x12 and screws M4
(Only accessible for installation of the device from behind)

Additional mounting options
via side holes and threads

Additional mounting options
via side holes and threads

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