



OUR GLOBAL
COMPETENCE
CENTRES

 APOLLO DISPLAY
TECHNOLOGIES



 DISTEC



 DISPLAY
TECHNOLOGY



Datasheet

Distec

POS-IQ-101-01-PRO

10.1" Monitor with x86

MO-06-105

Version 0.5

14.01.2021

Table of Contents

1	Revision History	4
2	Description	5
3	Characteristics	6
3.1	Interfaces	6
4	Mechanical Drawing	7
5	Optional Accessories	8
5.1	Mounting Frame	8
5.1.1	Mounting instruction	9
6	Software for the POS-IQ-PRO Series	10

Preliminary

1 Revision History

Date	Rev.No.	Description	Page
10.12.2019	0.1	Preliminary Version	All
23.03.2020	0.2	Deleted preliminary picture	2
08.07.2020	0.3	> Storage temperature changed from -10°C - +60°C to 0°C - +60°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
16.11.2020	0.5	> Operating temperature changed from 0°C - +50°C to 0°C - +60°C , > Storage temperature changed from -10°C – 60°C to 0°C - +60°C	6
14.01.2021	0.6	Revised description, order of characteristics and new cover/last page	5, 6

2 Description

Distec's 10.1" POS-IQ-101-01-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-101-01-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

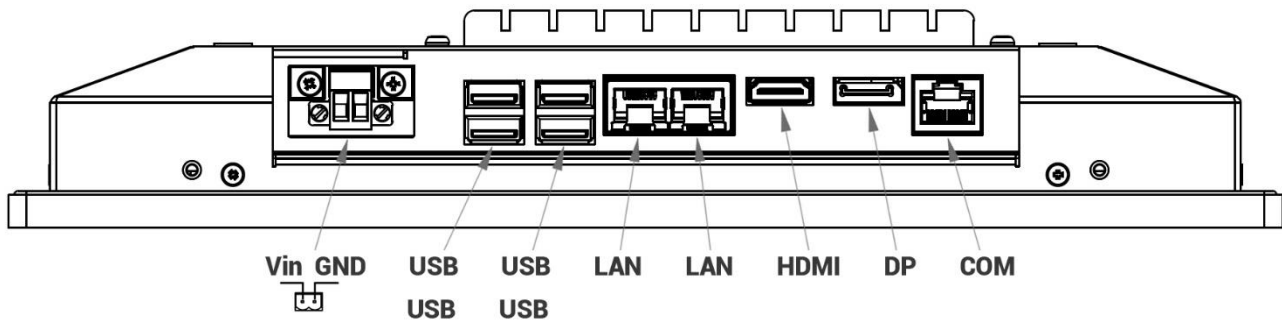
The integrated IPC offers all advantages of a modern 64bit x86 PC:

- 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

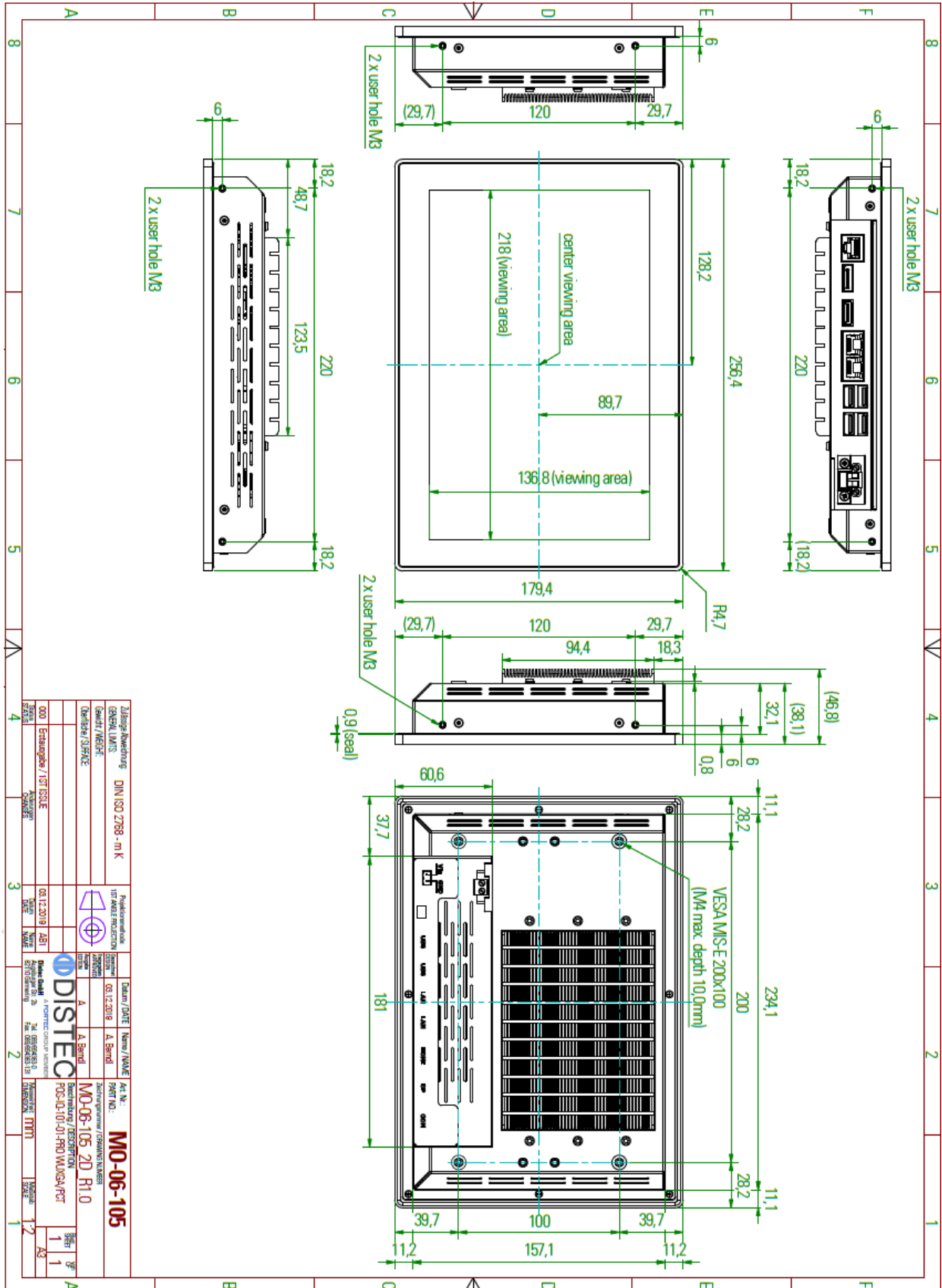
3 Characteristics

Items	Unit	Specification
Screen Diagonal	[inch]	10,1
Pixels H x V		1920 x 1200
Supported Colors		16.7M color (RGB 6bit + Hi-FRC)
Brightness	[cd/m ²]	380
Viewing Angle	v/h	89/89/89/89
Nominal Input Voltage	[V]	9-36
Typical Power Consumption	[W]	16.9
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 +60
Operating Temperature Range	[°C]	0 to +60
IP rating		Front IP65
Physical Size H x V x D	[mm]	256.4 x 179.4 x 46.8
Active Area H x V	[mm]	216.81 x 135.5
Weight	[kg]	

3.1 Interfaces



4 Mechanical Drawing



6 Software for the POS-IQ-PRO Series

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

Preliminary

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

Headquarters

Germany



FORTEC Elektronik AG

Augsburger Str. 2b
82110 Germering

Phone: +49 89 894450-0
E-Mail: info@forteca.de
Internet: www.forteca.de

Fortec Group Members

Austria



Distec GmbH Office Vienna

Nuschinggasse 12
1230 Wien

Phone: +43 1 8673492-0
E-Mail: info@distec.de
Internet: www.distec.de

Germany



Distec GmbH

Augsburger Str. 2b
82110 Germering

Phone: +49 89 894363-0
E-Mail: info@distec.de
Internet: www.distec.de

Switzerland



ALTRAC AG

Bahnhofstraße 3
5436 Würenlos

Phone: +41 44 7446111
E-Mail: info@altrac.ch
Internet: www.altrac.ch

United Kingdom



Display Technology Ltd.

Osprey House, 1 Osprey Court
Hichingbrooke Business Park
Huntingdon, Cambridgeshire, PE29 6FN

Phone: +44 1480 411600
E-Mail: info@displaytechnology.co.uk
Internet: www.displaytechnology.co.uk

USA



Apollo Display Technologies, Corp.

87 Raynor Avenue,
Unit 1 Ronkonkoma,
NY 11779

Phone: +1 631 5804360
E-Mail: info@apolloDisplays.com
Internet: www.apolloDisplays.com