FORTEC GROUP

POS-Line 17.3

High-quality, robust monitors for process automation in industry

One partner, unlimited technology solutions

Product Features

POS-Line 21.5

Monitor description

- Highly variable industry monitor solution
- robust, slim cover offers all options for integration and various applications and various modern business scenarios
- equipped with industrial displays and designed for long term availability
- light and slim design presents a modern small look
- passive cooling allows operating the system under full load even at high ambient temperatures
- VESA Mounting holes for using as an HMI or mounted on a stand
- Mounting brackets for in-wall mounting
- safety glass or touchscreens available

POS-Line IOT

- featuring the Raspberry Pi CM3+ based TFT platform Artista-IoT
- industrial functions like Real-Time-Clock and others
- Basis configuration: CM3+ | 32GB
- Standard configuration: Raspberry Pi®

POS-Line IQ

- High performance Intel® Celeron® J3455 processor
- 4GB highspeed RAM and an industrial grade SSD with 128 GB memory

Robust Monitor Series

Touchscreen possible

Variable front options

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Various accessories are available for POS-Line monitors.
All monitors can be customized according to your specific requirements. Please contact our sales team if you are interested in product modifications or custom designs.

Panel and Housing

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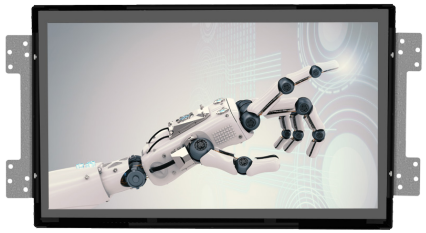
	Measure	Description
Panel Diagonal	[mm] / [Inch]	438.2/ 17.3
Type		Open -frame monitor with 2 mounting brackets (various bezels, TrueFlat glass and touch solutions are available under options)
Resolution	[Pixel]	1920 x 1080 FHD
Luminance (center)	[cd/m²]	400
Viewing angle (U/ D/ L/ R)	[°]	70/ 70/ 80/ 80
Backlight | Number of colors	— | [M]	LED | 16.7
Active area (H/V)	[mm]	381.88 x 214.81
Contrast ratio		600:1
Response time (on/off)	[ms]	40
Pixel class		ISO 9241-307 (pixel error class II)
Life time back light until reaching half brightness	[h]	50.000
Continuous operating time	[h] / [d]	24/ 7
Mounting	[mm]	VESA 200 x 100
Storage temperature	[°C] / [°F]	-20 ~ 70 / -4 ~ 158
Storage/ Operating humidity	[%]	5 ~ 90 (non condensing)
Panel orientation		Landscape and Portrait
Location of connectors		Landscape: bottom/ Portrait: left (front view)
Location of OSD buttons		Landscape: bottom/ Portrait: right (front view)
Housing		Powdered Aluminium, black RAL 9005
IP grade		IP 65 on the front if option TrueFlat glass
Conformity		CE, FCC Class A, EU-RoHS
Packaging		Single packaging single packaging, up to 4 via parcel service, from 5 units on cargo pallet (max. 16 packages p.p.)
Package Contents		Safety instructions



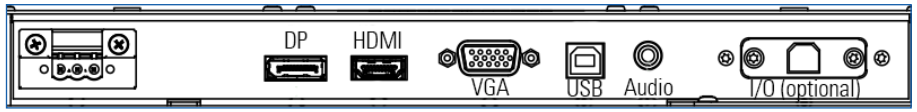
Monitor open frame including two standard brackets

Monitor with TrueFlat glass

All figures are typical values. The real values of the panel may vary. The optical characteristics are determined after the panel has been „ON“ for approximately 30 minutes at an ambient temperature of 25° C (77° F).
Life time of the backlight is defined as the time to take until the brightness reduces to 50% of its original value.

Video PME - VGA, HDMI, Display Port

POS-Line 17.3



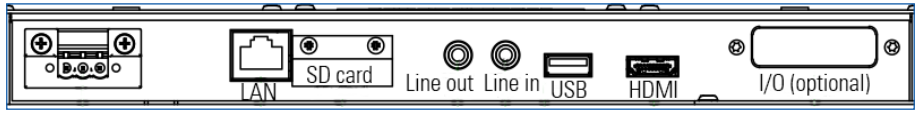
Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote
Operating temperature	[°C/ F°]	0 ~ 60/ 32 ~ 140
Power supply	[V]	12
Power consumption (typ.)	[Watt]	15
Weight	[kg]	2.4
Dimensions basic device (W x H x D)	[mm]	416.6 x 259.2 x 52.5

Article Name	Order Number	Description
POSL-MO-173-00	MO-41-121	POS-Line 17.3 Monitor basic device open frame
POSL-MO-173-01	MO-41-126	POS-Line 17.3 Monitor with front bezel
POSL-MO-173-02	MO-41-131	POS-Line 17.3 Monitor with front bezel and glass
POSL-MO-173-03	MO-41-136	POS-Line 17.3 Monitor with TrueFlat glass

Further information on the individual options can be found in this document under - OPTIONS.

IOT - Raspberry® IoT Controller

POS-Line 17.3



Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Raspberry® PI		CM3+, 32 GB
Operating temperature	[°C/ F°]	0 ~ 50/ 32 ~ 122
Power supply	[V]	12
Power consumption (typ.)	[Watt]	18
Weight	[kg]	2.5
Dimensions basic device (W x H x D)	[mm]	416.6 x 259.2 x 52.5

Article Name	Order Number	Description
POSL-RP-173-00	MO-41-122	POS-Line 17.3 IoT basic device open frame
POSL-RP-173-01	MO-41-127	POS-Line 17.3 IoT with front bezel
POSL-RP-173-02	MO-41-132	POS-Line 17.3 IoT with front bezel and glass
POSL-RP-173-03	MO-41-137	POS-Line 17.3 IoT with TrueFlat glass

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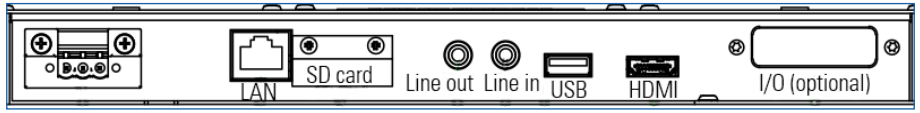
VideoPoster - Network Multimediaplayer

POS-Line 17.3



Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Operating temperature	[°C/ F°]	0 ~ 50/ 32 ~ 122
Power supply	[V]	12
Power consumption (typ.)	[Watt]	18
Weight	[kg]	2.5
Dimensions basic device (W x H x D)	[mm]	416.6 x 259.2 x 52.5
Package contents		USB Stick 8 GB

Article Name	Order Number	Description
POSL-VP-173-00	MO-41-123	POS-Line 17.3 VideoPoster basic device open frame
POSL-VP-173-01	MO-41-128	POS-Line 17.3 VideoPoster with front bezel
POSL-VP-173-02	MO-41-133	POS-Line 17.3 VideoPoster with front bezel and glass
POSL-VP-173-03	MO-41-138	POS-Line 17.3 VideoPoster with TrueFlat glass

Further information on the individual options can be found in this document under - OPTIONS.

WebPoster M3 - Website Player

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Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Raspberry® PI		CM3+, 32 GB
Operating temperature	[°C/ F°]	0 ~ 50/ 32 ~ 122
Power supply	[V]	12
Power consumption (typ.)	[Watt]	18
Weight	[kg]	2.5
Dimensions basic device (W x H x D)	[mm]	416.6 x 259.2 x 52.5

WebPoster M3 is an industrial FHD network player to show websites. It is a special designed FORTEC Integrated OS for Artista IOT monitors.

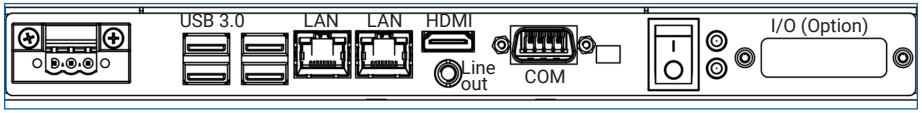
Firmware is compatible with touchscreen applications.

Article Name	Order Number	Description
POSL-WP-173-00	MO-41-124	POS-Line 17.3 WebPoster basic device open frame
POSL-WP-173-01	MO-41-129	POS-Line 17.3 WebPoster with front bezel
POSL-WP-173-02	MO-41-134	POS-Line 17.3 WebPoster with front bezel and glass
POSL-WP-173-03	MO-41-139	POS-Line 17.3 WebPoster with TrueFlat glass

Further information on the individual options can be found in this document under - OPTIONS.

IQ Celeron - PC Intel® Celeron®

POS-Line 17.3



Interfaces		2 x Gigabit LAN, 4 x USB 3.0, 1 x HDMI, 1 x RS232/422/485
PC		Intel® Celeron® J3455 (1,5GHz/2,3GHz), RAM: 4 GB DDR3L, Storage: min. 120 GB mSATA
Fan		no
Operating temperature	[°C/ F°]	0 ~ 45/ 32 ~ 113
Power supply	[V]	12 - 26
Power consumption (typ.)	[Watt]	27
Weight	[kg]	2.4
Dimensions basic device (W x H x D)	[mm]	416.6 x 259.2 x 52.5

Article Name	Order Number	Description
POSL-IQ-173-00	MO-41-125	POS-Line 17.3 IQ basic device open frame
POSL-IQ-173-01	MO-41-130	POS-Line 17.3 IQ with front bezel
POSL-IQ-173-02	MO-41-135	POS-Line 17.3 IQ with front bezel and glass
POSL-IQ-173-03	MO-41-140	POS-Line 17.3 IQ with TrueFlat glass

Further information on the individual options can be found in this document under - OPTIONS.

Options

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Name		Front bezel
Finish		Steel, powdered, black RAL 9005
Weight	[kg]	0.50
Dimensions of monitor with option (W x H x D)	[mm]	419.6 x 262.2 x 54.0

Bezel

Front bezel is a metal bezel for the open frame chassis and VESA mount.

Name		Safety glass	TrueFlat glass
Finish		Safety glass TSG, 3 mm anti glare	Safety glass TSG, 3 mm anti glare, printed black passepartout RAL 9005
IP grade		Front IP 64 in combination with bezel**	Front IP 65**
Weight	[kg]	0.80	1.30
Dimensions of monitor with option (W x H x D)	[mm]	416.6 x 259.2 x 52.5	456.6 x 299.2 x 58.5

Glass*

Safety glass is an accessory for the open frame chassis. It covers and protects the TFT-panel. TrueFlat glass is a safety glass with round corners and passepartout for the open frame chassis.

*Glass will reduce monitor brightness.
** depending on the customer's installation

Accessories

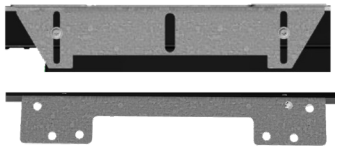
POS-Line 17.3

Electronic

Product	Order no.	Product description
Additional RS 232 port	DS-91-823	2nd RS 232 port for IQ Celeron®

Mount

Product	Order no.	Product description
VESA adapter plate	DS-91-797	Adaption from VESA 200 x 100 to VESA 100 x 100 for all versions
Mounting brackets	DS-91-356	Set of two additional mounting brackets (one set is included in standard version), not availble for option Front bezel



Mounting brackets

Power Supply

Product	Order no.	Product description
Power supply 60 W	NT-01-062	12V/ 5A power supply, max. op. temperature 45°C
Power cord EU	DB-07-225	Power cord EU 1,8 m
Power cord UK	DB-07-226	Power cord UK 1,8 m
Power cord USA	DB-07-238	Power cord USA 1,8 m
Cable VGA	KA-40-053	VGA cable HDDS 15pin. male/ male 1.8 m
Cable Display Port	DS-50-571	Cable Display Port male/ male 2 m

Software

Product	Order no.	Product description
WIN 10 IOT Celeron®	DS-60-899	Embedded operation system 2019 LTSC
OS IoT Raspberry® PI	DS-60-859	for POS-Line IoT

Windows 10 IoT Enterprise is a full version of Windows 10 that provides enterprise manageability and security for embedded devices and IoT solutions such as medical devices, industrial automation, measurement systems, and more. It's a binary equivalent of Windows 10 Enterprise, so you can use the same familiar development and management tools as you would on client PCs and laptops. The embedded version of Windows 10 IoT Enterprise is supported by Microsoft for at least 10 years.

Our company network supports you worldwide with branches in Germany, Austria, Switzerland, the UK and the USA.
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