



FORTEC
GROUP

POS-Line 24.0

High-quality, robust monitors for process automation in industry

One partner, unlimited technology solutions

Product Features

POS-Line 24.0

Robust Monitor Series

Touchscreen possible

Variable front options



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

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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

	Measure	Description
Panel Diagonal	[mm] / [Inch]	609.7/ 24.0
Type		Open -frame monitor (various bezels, TrueFlat glass and touch solutions are available under options)
Resolution	[Pixel]	1920 x 1080 FHD
Luminance (center)	[cd/m²]	300
Viewing angle (U/ D/ L/ R)	[°]	89/ 89/ 89/ 89
Backlight Number of colors	— [M]	LED 16.7
Active area (H/V)	[mm]	531.3.6 x 298.89
Contrast ratio		5000:1
Response time (on/off)	[ms]	25
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. 14 packages p.p.)
Package Contents		Safety instructions

POS-Line 24.0



Monitor open frame including two standard brackets



Monitor with Front bezel

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

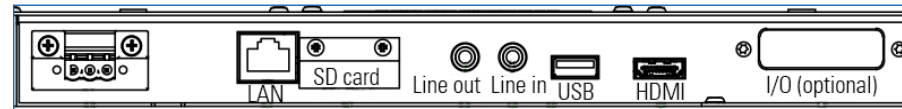
POS-Line 24.0

Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote
Operating temperature	[°C/ F°]	-20 ~ 60/ - 4 ~ 140
Power supply	[V]	12
Power consumption (typ.)	[Watt]	18
Weight	[kg]	4.1
Dimensions basic device (W x H x D)	[mm]	578.0 x 347.2 x 53.0

Article Name	Order Number	Description
POSL-MO-240-00	MO-41-196	POS-Line 24.0 Monitor basic device open frame
POSL-MO-240-01	MO-41-201	POS-Line 24.0 Monitor with front bezel
POSL-MO-240-02	MO-41-206	POS-Line 24.0 Monitor with front bezel and glass
POSL-MO-240-03	MO-41-211	POS-Line 24.0 Monitor with TrueFlat glass
POSL-MO-240-04	MO-41-216	POS-Line 24.0 Monitor with front bezel and PCAP TS
POSL-MO-240-05	MO-41-221	POS-Line 24.0 Monitor with TrueFlat glass with PCAP TS

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

IOT - Raspberry® IoT Controller

**POS-Line 24.0**

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°]	- 20 ~ 50/ - 4 ~ 122
Power supply	[V]	12
Power consumption (typ.)	[Watt]	23
Weight	[kg]	4.2
Dimensions basic device (W x H x D)	[mm]	578.0 x 347.2 x 53.0

Article Name	Order Number	Description
POSL-RP-240-00	MO-41-197	POS-Line 24.0 IoT basic device open frame
POSL-RP-240-01	MO-41-202	POS-Line 24.0 IoT with front bezel
POSL-RP-240-02	MO-41-207	POS-Line 24.0 IoT with front bezel and glass
POSL-RP-240-03	MO-41-212	POS-Line 24.0 IoT with TrueFlat glass
POSL-RP-240-04	MO-41-217	POS-Line 24.0 IoT with front bezel and PCAP TS
POSL-RP-240-05	MO-41-222	POS-Line 24.0 IoT with TrueFlat glass with PCAP TS

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°]	- 20 ~ 50/ - 4 ~ 122
Power supply	[V]	12
Power consumption (typ.)	[Watt]	23
Weight	[kg]	4.2
Dimensions basic device (W x H x D)	[mm]	578.0 x 347.2 x 53.0

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.

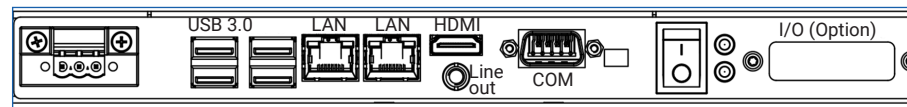
Article Name	Order Number	Description
POSL-WP-240-00	MO-41-199	POS-Line 24.0 WebPoster basic device open frame
POSL-WP-240-01	MO-41-204	POS-Line 24.0 WebPoster with front bezel
POSL-WP-240-02	MO-41-209	POS-Line 24.0 WebPoster with front bezel and glass
POSL-WP-240-03	MO-41-214	POS-Line 24.0 WebPoster with TrueFlat glass
POSL-WP-240-04	MO-41-219	POS-Line 24.0 WebPoster with front bezel and PCAP TS
POSL-WP-240-05	MO-41-224	POS-Line 24.0 WebPoster with TrueFlat glass with PCAP TS

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

IQ Celeron - PC Intel® Celeron®



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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]	33
Weight	[kg]	4.2
Dimensions basic device (W x H x D)	[mm]	578.0 x 347.2 x 53.0

Article Name	Order Number	Description
POSL-IQ-240-00	MO-41-200	POS-Line 24.0 IQ basic device open frame
POSL-IQ-240-01	MO-41-205	POS-Line 24.0 IQ with front bezel
POSL-IQ-240-02	MO-41-210	POS-Line 24.0 IQ with front bezel and glass
POSL-IQ-240-03	MO-41-215	POS-Line 24.0 IQ with TrueFlat glass
POSL-IQ-240-04	MO-41-220	POS-Line 24.0 IQ with front bezel and PCAP TS
POSL-IQ-240-05	MO-41-225	POS-Line 24.0 IQ with TrueFlat glass with PCAP TS

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

Options

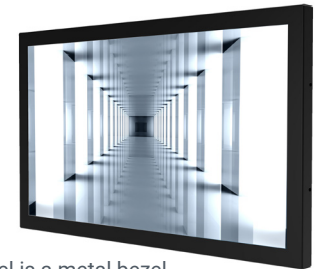
Name		Front bezel
Finish		Steel, powdered, black RAL 9005
Weight	[kg]	0.72
Dimensions of monitor with option (W x H x D)	[mm]	581.0 x 350.2 x 55.0

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]	1.33	1.80
Dimensions of monitor with option (W x H x D)	[mm]	578.0 x 347.2 x 53.0	608.0 x 377.2 x 59.0

Name		PCAP touch	TrueFlat glass with PCAP touch
Bazel Glass		Safety glass TSG, 3 mm anti glare	Safety glass TSG, 3 mm anti glare, printed black passepartout RAL 9005
Touch points		10	
Touch technology		Projected capacitive	
IP grade		Front IP 64 **	Front IP 65 **
Weight	[kg]	1.40	1.90
Dimensions of monitor with option (W x H x D)	[mm]	578.0 x 347.2 x 53.0	608.0 x 377.2 x 59.0

POS-Line 24.0

Bezel



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

Glass Touch*



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

*Glass and touch screens will reduce monitor brightness.

** depending on the customer's installation

Accessories

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

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, not available for option Front bezel - 3 sets possible for 24.0 inch

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

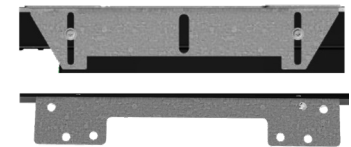
Product	Order no.	Product description
WIN 10 IOT Celeron®	DS-60-899	Embedded operation system 2019 LTSC Entry
OS IoT Raspberry® PI	DS-60-859	for POS-Line IoT

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.

POS-Line 24.0

Electronic

Mount



Mounting brackets

Power Supply | Cable

Software

Our corporate network supports you worldwide with branches in Germany, Austria, Switzerland, Czech Republic, Benelux, the UK, the USA, and Egypt. For further information, please contact us:

CONTACT

FORTEC GROUP

FORTEC Elektronik AG | Augsburger Str. 2b | 82110 Germering
+49 89 894450-0 | info@fortecag.de | www.fortecag.de

FORTEC INTEGRATED

FORTEC Integrated GmbH | Augsburger Str. 2b | 82110 Germering
+49 89 894363-0 | info@fortec-integrated.de | www.fortec-integrated.de

FORTEC UNITED KINGDOM

FORTEC Technology UK Ltd. | Osprey House | 1 Osprey Court
Hinchingsbrooke Business Park | Huntingdon | Cambridgeshire | PE29 6FN
+44 1480 411600 | info@fortec.uk | www.fortec.uk

FORTEC EGYPT

FORTEC Electronic Design and Solutions Egypt SMLC | Linx Business Park | Unit B318
Smart Village | Giza Governorate
+20 120 1146222 | info@fortec.eg | www.fortec.eg

FORTEC CZECH REPUBLIC

FORTEC Czech Republic s.r.o. | Přátelství 275 | 330 02 Dýšina
+420 377 845878 | fortec@fortec.cz | www.fortec.cz

FORTEC POWER

FORTEC Power GmbH | Lise-Meitner-Straße 3 | 64560 Riedstadt
+49 6158 8285-0 | weborder@fortec-power.de | www.fortec-power.de

FORTEC UNITED STATES

FORTEC US, Corp. | 87 Raynor Avenue Unit 1 | Ronkonkoma | NY | 11779
+1 631 5804360 | info@fortec.us | www.fortec.us

FORTEC SWITZERLAND

FORTEC Switzerland AG | Bahnhofstraße 3 | 5436 Würenlos
+41 44 7446111 | info@fortec.ch | www.fortec.ch

FORTEC BENELUX

FORTEC Benelux B.V. | Everdenberg 79 | 4902 TT Oosterhout | North Brabant
+31 162 515458 | info@fortec-benelux.com | www.fortec-benelux.com