



**FORTEC**  
GROUP

# POS-Line 31.5

One look - many functions and options

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One partner, unlimited technology solutions

# Product Features

## POS-Line 31.5



### 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
- special wall mount available
- 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

- two variants of PC configuration
- High performance Intel® Celeron® J3455 processor with 4GB highspeed RAM and an industrial grade SSD with 128 GB memory
- High performance Intel® Core™-i5-7300 (2,6GHz~3,5GHz) processor with integrated graphic card, 8GB DDR4 RAM and 120GB M.2Sata

**Robust Monitor Series**

**Touchscreen possible**

**Variable front options**

# Panel and Housing

	Measure	Description
Panel Diagonal	[mm] / [Inch]	800.1/ 31.5
Type		Open -frame monitor (various bezels, true-flat glass and touch solutions are available under options)
Resolution	[Pixel]	1920 x 1080 FHD
Luminance (center)	[cd/m <sup>2</sup> ]	500
Viewing angle (U/ D/ L/ R)	[°]	89/ 89/ 89/ 89
Backlight   Number of colors	—   [M]	LED   16.7
Active area (H/V)	[mm]	698.4 x 392.85
Contrast ratio		3000:1
Response time (on/off)	[ms]	8
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 400 x 400 (M6)
Storage temperature	[°C] / [°F]	-20 ~ 60 / -4 ~ 140
Operating temperature	[°C] / [°F]	0 ~ 40 / 32 ~ 104
Storage/ Operating humidity	[%]	10 ~ 90 (non condensing)
Panel orientation		Landscape and Portrait
Location of connectors and OSD buttons		Landscape: bottom/ Portrait: left (front view)
Housing		Powdered steel sheet, black RAL 9005
IP grade		IP 65 on the front if option TrueFlat glass or TrueFlat touch
Power supply	[V]	AC 110 - 240
Conformity		CE, FCC Class A, EU-RoHS
Packaging		Single packaging single packaging for EURO pallet (max.3 packages p.p.)
Package Contents		Safety instructions

## POS-Line 31.5



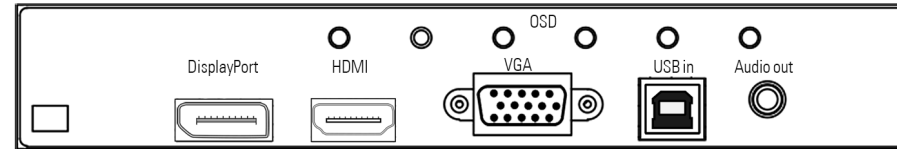
Monitor with front bezel and with TrueFlat glass

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.

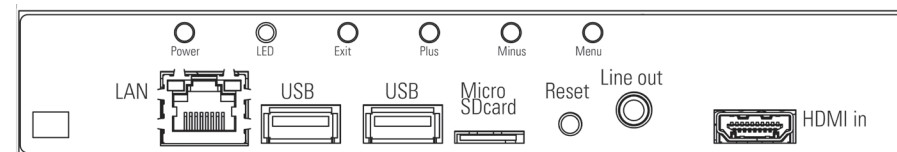
## Video PME - VGA, HDMI, Display Port

POS-Line 31.5



Order number		DS-91-411
Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote, 1 x OSD 4 button
Power consumption (typ.)	[Watt]	44
Weight	[kg]	12.5
Dimensions (W x H x D)	[mm]	759.0 x 454.0 x 109.0

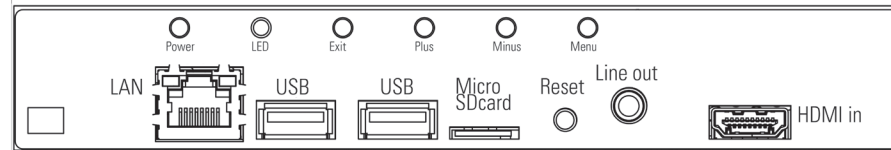
## VideoPoster - Network Multimediaplayer



Order number		DS-91-414
Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Power consumption (typ.)	[Watt]	43
Weight	[kg]	12.6
Dimensions (W x H x D)	[mm]	759.0 x 454.0 x 109.0
Package contents		USB Stick 8 GB

# WebPoster M3 - Website Player

## POS-Line 31.5

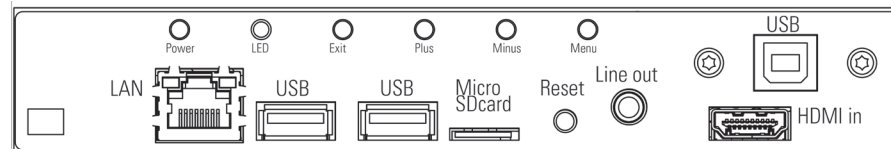
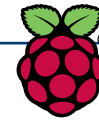


Order number		DS-92-226
Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Raspberry® PI		CM3+, 32 GB
Power consumption (typ.)	[Watt]	43
Weight	[kg]	12.6
Dimensions (W x H x D)	[mm]	759.0 x 454.0 x 109.0

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

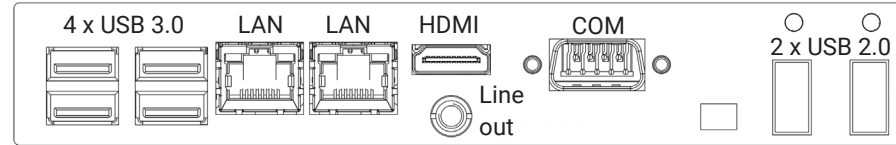
Firmware is compatible with touchscreen applications.

# IOT - Raspberry® IoT Controller



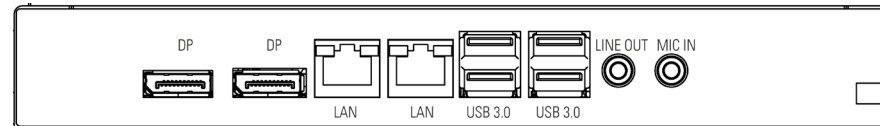
Order number		DS-91-981
Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot, 1 x USB-B (only for content updates)
Raspberry® PI		CM3+, 32 GB
Power consumption (typ.)	[Watt]	43
Weight	[kg]	12.6
Dimensions (W x H x D)	[mm]	759.0 x 454.0 x 109.0

# IQ Celeron - PC Intel® Celeron®



Order number		DS-92-183
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
Power consumption (typ.)	[Watt]	55.0
Weight	[kg]	14.5
Dimensions (W x H x D)	[mm]	759.0 x 454.0 x 109.0

# IQ - PC Intel® Core™ i5



Order number		DS-92-022
Features		Resolution 4K external via DisplayPort supported
Interfaces		2 x DP, 2x LAN, 4x USB 3.0, 1 x Audio, 1 x MIC in
PC		Intel® Core™-i5-7300 U (2.6 GHz), Intel® HD Graphics GT series, RAM: 8GB DDR 4; Storage: 120 GB M.2Sata
Fan		no
Power consumption (typ.)	[Watt]	90
Weight	[kg]	16.5
Dimensions (W x H x D)	[mm]	759.0 x 454.0 x 109.0

## POS-Line 31.5

Various accessories are available for POS-Line monitors.  
All monitors can be customized according to your specific requirements.

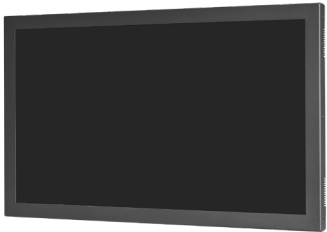
Please contact our sales team if you are interested in product modifications or custom designs.

# Options

Order number		DS-91-740
Name		Front bezel
Finish		Steel, powdered, black RAL 9005
Can be combined with		Safety glass
Weight	[kg]	1.50
Dimensions of monitor with option (W x H x D)	[mm]	762.0 x 456.0 x 110.0

## POS-Line 31.5

### Bezel



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

Order number		DS-91-421	DS-91-424
Name		TrueFlat bezel with glass	TrueFlat bezel with touch
Finish		Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 4 mm, anti-glare, printed black passepartout RAL 9005	Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 4 mm, anti-glare, printed black passepartout RAL 9005 with PCAP touch, 10 touch points (next page)
Can be combined with		—	
Weight	[kg]	9.50	
Dimensions of monitor with option (W x H x D)	[mm]	789.0 x 484.0 x 115.5	



TrueFlat bezel is a metal bezel with round corners, safety glass and passepartout for the open frame chassis.

\*Glass and touch screens will reduce monitor brightness.

\*\* depending on the customer's installation

# Options

Order number		DS-91-420	DS-91-476
Name		Safety glass	TrueFlat glass
Finish		Safety glass TSG, 3 mm anti glare	Safety glass TSG, 4 mm anti glare, printed black passepartout RAL 9005
IP grade		—	front IP 65**
Can be combined with		Front bezel	—
Weight	[kg]	3.50	4.00
Dimensions of monitor with option (W x H x D)	[mm]	759.0 x 454.0 x 114.5	781.0 x 476.0 x 114.5

\*Glass and touch screens will reduce monitor brightness.

\*\* depending on the customer's installation

Order number		DS-91-424	DS-91-916
Name		TrueFlat bezel with PCAP touch	TrueFlat glass with PCAP touch
Bazel   Glass		Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 4 mm, anti-glare, printed black passepartout RAL 9005	Safety glass TSG, 4 mm anti glare, printed black passepartout RAL 9005
Touch points		10	
Touch technology		Projected capacitive	
IP grade		—	front IP 65**
Can be combined with		—	
Available for controller		Video PME, IoT, IQ Celeron®, IQ Core™ i5	
Weight	[kg]	9.50	4.50
Dimensions of monitor with option (W x H x D)	[mm]	789.0 x 484.0 x 115.5	781.0 x 476.0 x 114.5

## POS-Line 31.5

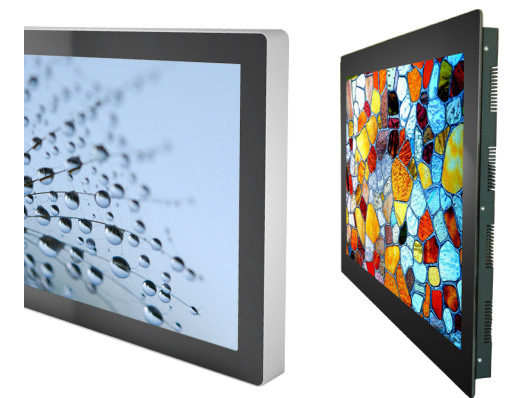
### Glass\*



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 open frame chassis.

### Touch\*



TrueFlat PCAP touch is a TrueFlat glass with a laminated PCAP touch at the backside.



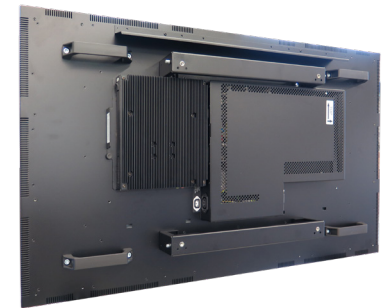
# Accessories

Order number		DS-92-033
Name		PC Box extern IQ Core™-i5 DFI KU173
Description		PC module for external mounting
Interfaces		2 x DP, 2x LAN, 4x USB 3.0, 1 x Audio, 1 x MIC in
PC		Intel® Core™-i5- 7300 U(2.6 GHz), Intel® HD Graphics GT series, RAM: 8GB DDR 4 Storage: min. 120 GB M.2Sata
Available for controller		Video PME
Fan		no
Weight	[kg]	2.60
Dimensions of monitor with option (W x H x D)	[mm]	240 x 257 x 48.5
Power supply		DS-91-945 for operate the PC box as stand alone device without display for maintenance, 12V/ 60 W

Order number		DS-92-135
Name		<b>PC-Box IQ Celeron®</b>
Description		PC module for external mounting
Interfaces		2 x Gigabit LAN, 4 x USB 3.0, 2 x USB 2.0, 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
Available for controller		Video PME
Fan		no
Weight	[kg]	1.70
Dimensions of monitor with option (W x H x D)	[mm]	240 x 260 x 50
Power supply		DS-91-945 for operate the PC box as stand alone device without display for maintenance, 12V/ 60 W

## POS-Line 31.5

### External PC



Optional removable PC box with Core-i5 CPU. The PC box can be removed without taking the display down from the wall.



Optional removable PC box with Intel Celeron CPU. The PC box can be removed without taking the display down from the wall.

# Accessories

## POS-Line 31.5

### Electronic

Product	Order no.	Product description
Remote control	DS-91-621	OSD remote controll for all displays of the Video PME series
Ambient Light Sensor	DS-91-963	ALS for all displays of the Video PME and VideoPoster, can be combined with front bezel and safety glass
SSD Extension Celeron®	DS-91-997	Extension for SSD MSATA up to 240 GB for IQ Celeron®
RAM Extension Celeron®	DS-91-975	Extension for RAM up to 8 GB for IQ Celeron®
SSD Extension Core™-i	DS-92-027	Extension for SSD M.2 up to 240 GB for IQ Core™-i5
RAM Extension Core™-i	DS-92-028	Extension for RAM up to 16 GB for IQ Core-i5

### Mount

Product	Order no.	Product description
Wall mount	DS-91-540	Inclinable wall mount for all displays from 31.5" up to 46.0"
Wall mount	DS-91-100	Titling wall mount from 31.5" to 46.0", VESA 600 x 450, only for Landscape
Wall mount PC	DS-92-094	Wall mount for external PC-Box
Cable cover for connctors	DS-91-723	Cover for the cable connectors to prevent unauthorized persons from removing or plugging cables. For all POS-Line displays of the PME series from 31.5" up to 46.0"
Cable cover for connctors	DS-91-578	Cover for the cable connectors to prevent unauthorized persons from removing or plugging cables. For all POS-Line displays of the IQ Series from 31.5" up to 46.0". Also suited for optional PC boxes DS-92-033 and DS-92-135.
Cable cover for connctors	DS-91-922	Cable cover. Only available in combination with covers DS-91-723 and DS-91-578.

### Cable

Product	Order no.	Product description
Cable DP for PC box	KA-40-115	DP cable for connection PC 0.5 m
Display Port cable	KA-40-105	Cable Display Port 1.2 4k male/ male 2m
Power cord UK	DB-07-226	Power cord UK 1,8 m
Power cord USA	DB-07-238	Power cord USA 1,8 m

# Accessories

## POS-Line 31.5

### Software

Product	Order no.	Product description
WIN 10 IOT Celeron®	DS-60-899	Embedded operation system 2019 LTSC Entry
WIN 10 IOT Core™-i5	DS-60-898	Embedded operation system 2019 LTSC Value
IoT Raspberry Pi OS	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.

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

# CONTACT

## FORTEC GROUP

**FORTEC Elektronik AG** | Augsburg Str. 2b | 82110 Germering  
+49 89 894450-0  
info@fortecag.de | [www.fortecag.de](http://www.fortecag.de)

## FORTEC INTEGRATED

**FORTEC Integrated GmbH** | Augsburg Str. 2b | 82110 Germering  
+49 89 894363-0  
info@fortec-integrated.de | [www.fortec-integrated.de](http://www.fortec-integrated.de)

## FORTEC EGYPT

**FORTEC Electronic Design and Solutions Egypt SMLC** | Linx Business Park | Unit B318  
Smart Village | Giza Governorate  
+49 89 894363-0  
info@fortec-integrated.de | [www.fortec-integrated.de](http://www.fortec-integrated.de)

## FORTEC POWER

**FORTEC Power GmbH** | Lise-Meitner-Straße 3 | 64560 Riedstadt  
+49 6158 8285-0  
weborder@fortec-power.de | [www.fortec-power.de](http://www.fortec-power.de)

**AUTRONIC Steuer und Regeltechnik GmbH** | Siemensstraße 17 |  
74343 Sachsenheim  
+49 7147 24-0  
vertrieb@autronic.de | [www.autronic.de](http://www.autronic.de)

## FORTEC CZECH REPUBLIC

**FORTEC Czech Republic s.r.o.** | Přátelství 275 | 330 02 Dýšina  
+420 377 845878  
fortec@fortec.cz | [www.fortec.cz](http://www.fortec.cz)

## FORTEC SWITZERLAND

**FORTEC Switzerland AG** | Bahnhofstraße 3 | 5436 Würenlos  
+41 44 7446111  
info@fortec.ch | [www.fortec.ch](http://www.fortec.ch)

## FORTEC UNITED KINGDOM

**FORTEC Technology UK Ltd.** | Osprey House | 1 Osprey Court  
Hinchingbrooke Business Park | Huntingdon | Cambridgeshire | PE29 6FN  
+44 1480 411600  
info@fortec.uk | [www.fortec.uk](http://www.fortec.uk)

## FORTEC UNITED STATES

**FORTEC US, Corp.** | 87 Raynor Avenue Unit 1 | Ronkonkoma | NY | 11779  
+1 631 5804360  
info@fortec.us | [www.fortec.us](http://www.fortec.us)