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PREDAJA  
ZAVARENE  
SASIJE

L16

**FORTEC**  
ELEKTRONIK AG

**POS-Line 21.5**

High-quality, robust monitors for process automation in industry

OUR GLOBAL  
COMPETENCE  
CENTERS

**APOLLO DISPLAY  
TECHNOLOGIES**

**DISTEC**

**DISPLAY  
TECHNOLOGY**

# Panel and Housing

## POS-Line 21.5

	Measure	Description
Panel Diagonal	[mm] / [Inch]	546.86/ 21.5
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/m <sup>2</sup> ]	300
Viewing angle	[°]	178 h / 178 v
Backlight		LED
Active area (H/V)	[mm]	476.6 x 268.1
Number of colors	[M]	16.7
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 ~ 60/ -4 ~ 140
Storage humidity	[%]	5 ~ 90 (non condensing)
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, TrueFlat touch
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



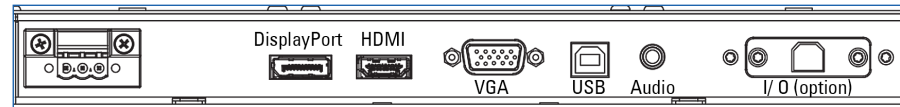
Open frame monitor including two standard brackets and all possible optional mounting brackets



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.

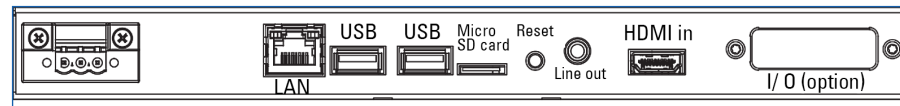
## Video PME - VGA, HDMI, Display Port

POS-Line 21.5



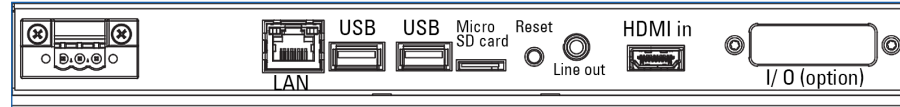
Order number		DS-91-786
Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote
Operating temperature	[°C/ F°]	0 ~ 50/ 32 ~ 122
Power supply	[V]	12
Power consumption (typ.)	[Watt]	22
Weight	[kg]	3.2
Dimensions (W x H x D)	[mm]	514 x 319 x 54
Package contents		SVGA cable

## VideoPoster - Network Multimediaplayer



Order number		DS-91-787
Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Operating temperature	[°C/ F°]	0 ~ 45/ 32 ~ 113
Power supply	[V]	12
Power consumption (typ.)	[Watt]	23
Weight	[kg]	3.4
Dimensions (W x H x D)	[mm]	514 x 319 x 54
Package contents		USB Stick 8 GB

# WebPoster M3 - Website Player



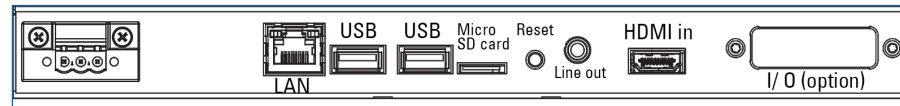
Order number		DS-92-228
Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Operating temperature	[°C/ F°]	0 ~ 45/ 32 ~ 113
Power supply	[V]	12
Power consumption (typ.)	[Watt]	23
Weight	[kg]	3.4
Dimensions (W x H x D)	[mm]	514 x 319 x 54

## POS-Line 21.5

WebPoster M3 is an industrial FHD network player to show websites. It is a special designed Distec O/S for Artista IOT monitors.

Firmware is compatible with touchscreen applications.

# IOT - Raspberry® IoT Controller

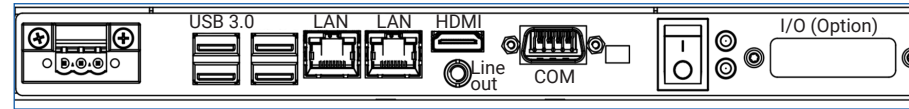


Order number		DS-91-821
Order number OS		DS-60-859
Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Operating temperature	[°C/ F°]	0 ~ 45/ 32 ~ 113
Power supply	[V]	12
Power consumption (typ.)	[Watt]	23
Weight	[kg]	3.4
Dimensions (W x H x D)	[mm]	514 x 319 x 54

# IQ Celeron - PC Intel® Celeron®



## POS-Line 21.5



Order number		DS-92-182
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
Fan		no
Operating temperature	[°C/ F°]	0 ~ 45/ 32 ~ 113
Power supply	[V]	12 - 26
Power consumption (typ.)	[Watt]	ca.28
Weight	[kg]	ca. 3.3
Dimensions (W x H x D)	[mm]	514 x 319 x 54

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-91-689	DS-91-752
Name		Front bezel	Front plate
Finish		Steel, powdered, black RAL 9005	Aluminum, powdered, black RAL 9005
Can be combined with		PCAP touch, Safety glass	
Weight	[kg]	0.70	
Dimensions of monitor with option (W x H x D)	[mm]	517 x 322 x 55.5	538 x 343 x 58.5

## POS-Line 21.5

### Bezel/ Plate



Front bezel is a metal bezel for the open frame chassis and VESA mount.  
Front plate is a metal frame for front mount applications with mounting brackets.

Order number		DS-91-796	DS-91-757
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		IP 64 (in combination with bezel or plate)**	front IP 65**
Can be combined with		Front bezel, front plate	–
Weight	[kg]	1.20	1.80
Dimensions of monitor with option (W x H x D)	[mm]	514 x 319 x 54	538 x 343 x 60

### Glass\*



Safety glass and touch are options for the open frame chassis.  
It covers and protects the TFT-panel.

\*Glass and touch screens will reduce monitor brightness.  
\*\* depending on the customer's installation

# Options

Order number		DS-91-761	DS-91-762
Name		PCAP touch	TrueFlat PCAP touch
Bezel/ 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**
Can be combined with		Front bezel, Front plate	–
Available for controller		Video PME, IoT, IQ Celeron®	
Weight	[kg]	1.20	1.80
Dimensions of monitor with option (W x H x D)	[mm]	514 x 319 x 54	538 x 343 x 60

\*Glass and touch screens will reduce monitor brightness.

\*\* depending on the customer's installation

## POS-Line 21.5

### Touch\*



TrueFlat glass is a safety glass with round corners and passepartout for the open frame chassis. TrueFlat P-CAP touch is a TrueFlat glass with a laminated P-CAP touch at the backside.

# Accessories

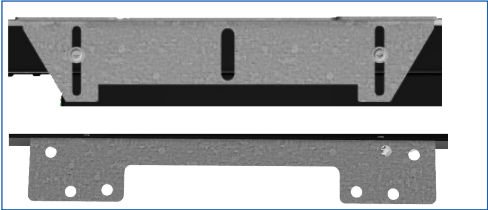
## POS-Line 21.5

### Electronic

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

### Mounts

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 (on set is included in standard version), not available for options Front bezel and rackmount



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

### Software

Product	Order no.	Product description
Windows 10 Pro. 64 bit DE	DS-60-811	Operation system for Core-i
Windows 10 Pro. 64 bit EN	DS-60-810	Operation system for Core-i
WIN 10 IOT Celeron®	DS-60-899	Embedded operation system 2019 LTSC
WebPoster IQ	DS-60-787	WEBPOSTER embedded Linux for IQ

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