



FORTEC
ELEKTRONIK AG

POS-Line 46

One look - many functions and options

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APOLLO DISPLAY
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Panel and Housing

POS-Line 46

	Measure	Description
Panel Diagonal	[mm] / [Inch]	1168.4/ 46.0
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/m²]	700
Viewing angle	[°]	178 h / 178 v
Backlight		LED
Active area (H/V)	[mm]	1018.08 x 572.67
Number of colors	[M]	1073.7 (PME, PIII, VP)/ 16.7 (IQ Celeron, IQ Core-i)
Contrast ratio		4000:1
Response time (on/off)	[ms]	6.5
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 MIS-F 400 x 400 (M6)
Storage temperature	[°C] / [°F]	-20 ~ 60 / -4 ~ 140
Operating temperature	[°C] / [°F]	0 ~ 40/ 32 ~ 104
Storage humidity	[%]	10 ~ 90 (non condensing)
Operating humidity	[%]	10 ~ 90 (non condensing)
Panel orientation		Landscape and Portrait
Location of connectors		Landscape: bottom/ Portrait: left (front view)
Location of OSD buttons		Landscape: bottom/ Portrait: left (front view)
Housing		Powdered steel sheet DC01, 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 for one way pallet (max. 3 packages p.p.)
Package Contents		Safety instructions, power cable



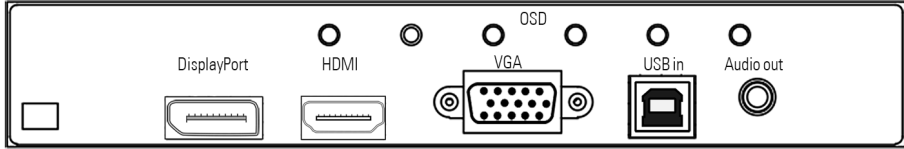
Open frame monitor



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.

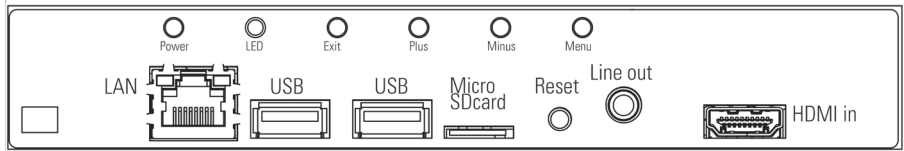
Video PME - VGA, HDMI, Display Port

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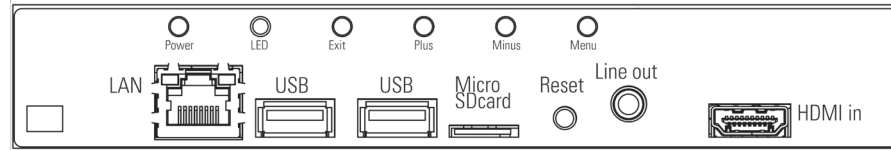
Order number		DS-91-485
Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote, 1 x OSD 4 button
Power consumption (typ.)	[Watt]	67
Weight	[kg]	24.5
Dimensions (W x H x D)	[mm]	1078 x 633 x 110
Package contents		SVGA cable

VideoPoster - Network Multimediaplayer



Order number		DS-91-491
Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Power consumption (typ.)	[Watt]	61
Weight	[kg]	24.5
Dimensions (W x H x D)	[mm]	1078 x 633 x 110
Package contents		USB Stick 8 GB

WebPoster M3 - Website Player



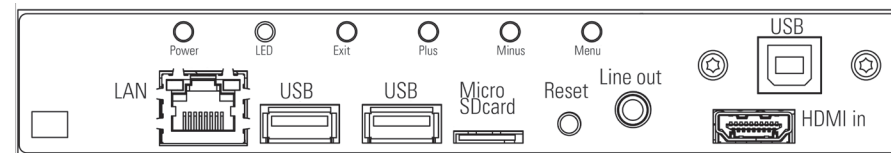
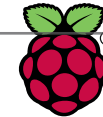
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WebPoster M3 is an industrial FHD network player to show websites. It is a special designed Distec O/S for Artista IOT monitors.

Firmware is compatible with touchscreen applications.

Order number		DS-92-224
Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Power consumption (typ.)	[Watt]	61
Weight	[kg]	24.5
Dimensions (W x H x D)	[mm]	1078 x 633 x 110

IOT - Raspberry® IoT Controller

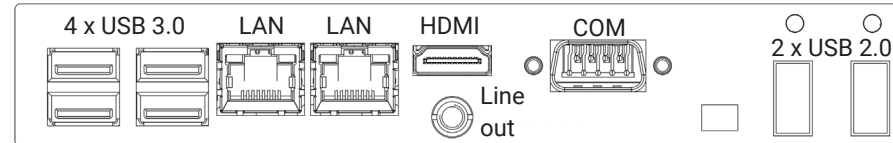


Order number		DS-91-983
Order numbers		DS-60-859
Interfaces		1 x LAN, 2 x USB 2.0, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot, 1 x USB-B (only for content updates)
Power consumption (typ.)	[Watt]	61
Weight	[kg]	24.5
Dimensions (W x H x D)	[mm]	1078 x 633 x 110

IQ Celeron - PC Intel® Celeron®

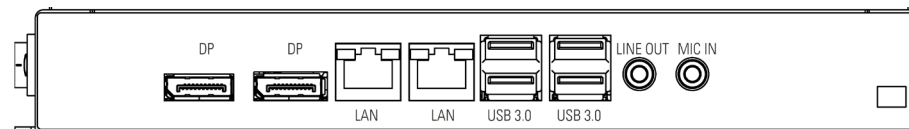


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Order number		DS-92-185
Interfaces		2 x Gigabit LAN, 4 x USB 3.0, 2 x USB 2.0, 1 x HDMI, 1 x RS232/422/485
PC		Intel® Celeron® J3455 (1,5GHz/2,3GHz), RAM: 4 GB DDR3L, Storage: min. 120 GB mSATA
Fan		no
Power consumption (typ.)	[Watt]	ca.72
Weight	[kg]	ca. 27.3
Dimensions (W x H x D)	[mm]	1078 x 633 x 110

IQ Core-i5 - PC Intel® Core™-i5



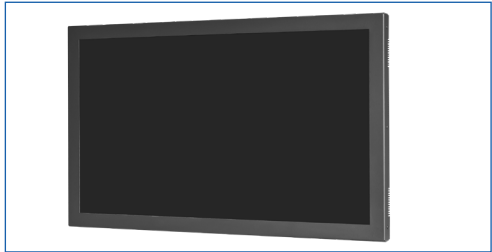
Order number		DS-92-024
Features		Resolution 4K external via DisplayPort supported
Interfaces		2 x DP, 2x LAN, 4x USB 3.0, 1 x Audio, 1 x MIC in
PC		Intel® Core™-i5-7300 U (2.6 GHz), Intel® HD Graphics GT series, RAM: 8GB DDR 4 Storage: 120 GB M.2Sata
Fan		no
Power consumption (typ.)	[Watt]	110
Weight	[kg]	29.0
Dimensions (W x H x D)	[mm]	1078 x 633 x 110

Options

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Order number		DS-91-496
Name		Front bezel
Finish		Steel, powder coated, black RAL 9005
Can be combined with		Safety glass
Weight	[kg]	1.60
Dimensions of monitor with option (W x H x D)	[mm]	1081 x 636 x 111

Bezel



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

Order number		DS-91-703	DS-91-924
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]	13.4	
Dimensions of monitor with option (W x H x D)	[mm]	1109 x 663 x 116	



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.

Options

Order number		DS-90-633	DS-91-500
Name		Safety glass	TrueFlat glass
Finish		Safety glass TSG, 4 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]	6.60	7.50
Dimensions of monitor with option (W x H x D)	[mm]	1078 x 633 x 115	1101 x 656 x 115

*Glass and touch screens will reduce monitor brightness.

** depending on the customer's installation

Order number		DS-91-924	DS-91-925
Name		TrueFlat bezel PCAP touch	TrueFlat glass PCAP touch
Bezel/ Glass		Sheet steel RAL 9006, 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™-i	
Weight	[kg]	13.40	7.50
Dimensions of monitor with option (W x H x D)	[mm]	1109 x 663 x 116	1101 x 656 x 115

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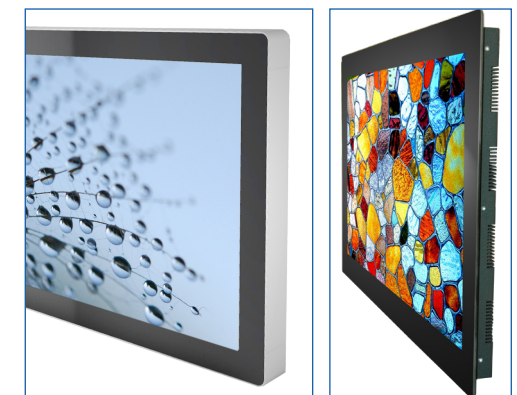
Glass*

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.

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		PC-Box IQ Celeron®
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

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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

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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 RMA 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 RMA up to 16 GB for IQ Core-i5

Electronic

Product	Order no.	Product description
Cable DP for PC box	KA-40-115	DP cable for connection PC, 0,5m
Display Port cable	KA-40-105	Cable Display Port 1.2 4k male/male 2m
LAN for remote contr.	DS-92-087	for all versions, LAN RJ 45

Cable

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 Core™-i	DS-60-898	Embedded operation system 2019 LTSC
WIN 10 IOT Celeron®	DS-60-899	Embedded operation system 2019 LTSC
WebPoster IQ	DS-60-787	WEBPOSTER embedded Linux for IQ

Software

Accessories

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Mounts and Covers

Product	Order no.	Product description
Wall mount	DS-91-540	Inclinable wall mount for all displays from 31.5" up to 54.6"
Cable cover for connctetors	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 54.6"
Cable cover for connctetors	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 54.6". Also suited for optional PC boxes DS-92-033 and DS-92-135.
Cable cover for connctetors	DS-91-922	Cable cover. Only available in combination with covers DS-91-723 and DS-91-578.

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.

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

Contact

Headquarters

Germany



FORTEC Elektronik AG
Augsburger Str. 2b
82110 Germering

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

Fortec Group Members

Austria



Distec GmbH
Office Vienna
Nuschingasse 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
Hinchingsbrooke 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