

IS2-43

Information-Totem with 42" Display, Aspect Ratio 9:16, Full Glass Front and optional touch



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General Information	
Application	Digital Signage, digital guidance system, room occupancy system, digital advertising and many more.
Chassis	Powder-coated sheet steel housing in RAL colour, or brushed chrome steel with full glass front
Cooling	Convection cooling without fan
Mounting and installation options	Floor mounting with small stand, or portable with tilt-proof stand
Image Sticking	In order to avoid image sticking (burn-in effect) on your display, we recommend that you follow the instructions below: - Try to avoid static contents on your display (don't use it as a simple billboard). After 5 minutes any static screen content should be replaced by a moving picture for at least 10 seconds. - If possible, do not always place your logo or other repetitive contents (e.g. greeting template) in the same place. - If possible, do not always fill the background with the same colour. Plan alternating colours or pictures. Use a moving picture or pure black as a screen saver.

Technical Specification Display	
Display	43"
Display Resolution	3840 x 2160 dots (RGB), aspect ratio 16:9
Display Technology	IPS
Colour Depth	10 bit 1.07 billion colours
Brightness	700 cd/m ²
Backlight	Energy saving LED-edge-backlight
Contrast Ratio	1100:1
Viewing Angle (horizontal/vertical)	178° / 178° (89-89/89-89)
Pixel Error Class according to EN ISO 9241-307	II (other classes on inquiry)
Front	Full glass front with C-edge made of tempered single-pane safety glass or optionally with multi-touch

Technical Specification	
Dimensions Totem without base	approx. 1923,7 (H) x 585,1 (W) x 65 (D) mm
Dimensions Totem with floor screw connection (small base)	approx. 8 (H) x 600 (W) x 580 (D) mm If the base cannot be screwed to the floor, please order the tilt-proof base!
Dimensions of the tilt-proof base (large base without floor screw connection)	approx. 8 (H) x 800 (W) x 800 (D) mm
Supply Voltage	100 – 240 VAC
Power Consumption	Max. 180 watts
IP-protection class	Complete unit IP20
Permissible operation temperature	+ 5° ~ + 35°C
Permissible operation humidity	0 % ~ 95% (relative humidity, without condensation)
Weight	approx. 60 kg
Noise development	barely perceptible
Power cable	2.0 m IEC connection cable with lock
Device connection	Supply line (network and LAN) possible from below or behind

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Technical Specification of the integrated computer module	
Processor	Intel® Elkhart Lake J6412 Celeron processor 4 cores / base clock 2.0 GHz, max. 2.6 GHz
System Memory	2* SO-DIMM socket for DDR4, 3200 MHz. up to max. 32GB, equipped with 1* 8GB DDR4 SO-DIMM (other capacities optionally available)
Mass Memory	1* M.2 M-key PCIe Gen.3 2242/2280 NVMe + SATA socket equipped with 1* x M.2 2280 NVMe 256GB SSD (other capacities optionally available)
Expansion slots	1* M.2 E-Key 2242/2280, 1* M.2 B-Key 3042 in combination with SIM card slot
Graphics	Intel UHD 10th Gen. Graphic shared Memory
Connections on the back of the built-in computer	1* HDMI 2.0b 1* Audio line-out/MIC combo 3.5mm jack socket 3* USB 3.1 (Gen.2) port, 3 x USB 2.0 port 2* Intel® i225V 2.5GbE 1* IEC connector (C13 socket) 1* Power button, LEDs for power, HDD
BIOS	AMI-BIOS UEFI with integrated LAN boot ROM image
Watchdog-Timer	Timeout intervals from 10 sec. - 255 min. (requires trigger software)
System Monitoring	CPU and system temperature, internal operating voltages
Safety	TPM2.0 onboard
Operating System	Windows 10 IOT / Professional, Windows 11 IOT / Professional compatible Linux distributions on request Note: The customer is responsible for operating system maintenance and updates.
Technical specifications of the optional Intel Core i5 upgrade computer	
Processor	Intel® Whiskey Lake Core i5 8365U CPU 4 cores / Base clock 1.6 GHz, max. 4.1 GHz
System Memory	2* SO-DIMM socket for DDR4, 3200 MHz. up to max. 32GB, equipped with 1* 8GB DDR4 SO-DIMM (other capacities optionally available)
Mass Memory	1* M.2 M-key PCIe Gen.3 2242/2280 NVMe + SATA socket equipped with 1* x M.2 2280 NVMe 256GB SSD (other capacities optionally available)
Expansion slots	1* M.2 E-Key 2230 with Intel CNVi
Graphics	Intel UHD 8th Gen. Graphic shared Memory
Interfaces on the backside	1* HDMI 1.4 1* Audio line-out 3.5mm jack socket 4* USB 3.1 (Gen.2), 1 USB3.1 (Gen2) Type C 1* Intel® i219LM 1GbE 1* Intel® i225V 2.5GbE 1* IEC connector (C13 socket) 1* Power button, LEDs for power, HDD
BIOS	AMI-BIOS UEFI with integrated LAN boot ROM image
Watchdog-Timer	Timeout intervals from 10 sec. - 255 min. (requires trigger software)
System Monitoring	CPU and system temperature, internal operating voltages
Safety	TPM2.0 onboard
Operating System	Windows 10 IOT / Professional, Windows 11 IOT / Professional compatible Linux distributions on request Note: The customer is responsible for operating system maintenance and updates.

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Technical specifications of ISAM	
Inputs for image signal	1* HDMI: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 2160P 1* DP: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 2160P The image source is automatically activated when a signal is received.
Power supply	1* IEC connector (C13 socket)
Audio Option	Optionally available audio amplifier with 2 x 15 watt power output

Configuration Options	
IS-43-BPL	Small base for floor mounting
IS-43-BPG	Large tilt-proof base for mobile use
IS-43-OPT-WS	Wall bracket in item colour with height-adjustable feet
IS-OPT-WLAN2	Intel Wireless-AC 9260, 2.4Ghz / 5Ghz with Bluetooth 5 WLAN standards: IEEE 802.11a/b/g/n/ac Encryption: WPA, WPA2, WPA3 Antenna position on the top or bottom of the device with 2 28mm antennas, WLAN only possible with surface mounting!
IS-43-Touch	Rear glass touch, projected capacitive 10-finger multi-touch (PCT) with internal USB connection
IS-OPT-AUDIO1	Audio option with hidden structure-borne sound transducers 2x15 watts
IS-PWRU	Optional power unit with RCD and Schuko socket outlet
IS-PWRUL	Optional power unit with earthed socket (without RCD)
Pre-installed operating system (except for ISAM)	Win10 /11 IoT Optional upgrade to Windows 10 /11 Professional, possible without operating system or installing a customer image