

IS1-24

Information-Totem with 23,8"-Display, Aspect Ratio 9:16 and Full Glass Front, optional touch and optically bonded display



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General Information	
Application	Digital Signage, digital guidance system, room occupancy system, digital advertising and many more.
Chassis	steel parts with powder enamel coating (standard black) on stable metal base plate, optionally in a common powder-coated RAL colour
Service USB	2 service USB ports accessible from the side behind a cover
Cooling	free convection through ventilation slots
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	23,8"
Display Resolution	1920 x 1080 dots (RGB), aspect ratio 16:9
Colour Depth	16,7 Mio colours (True Colour)
Brithness	450 cd/m²
Backlight	Energy saving LED-edge-backlight
Contrast Ratio	1000:1
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 with multi-touch and optically bonded display

Technical Specification	
Dimensions Totem without base	approx. 1787 (H) x 341 (W) x 50 (D) mm
Dimensions Totem with floor screw connection (small base)	approx 8 (H) x 400 (W) x 400 (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 650 (W) x 650 (D) mm
Supply Voltage	100 – 240 VAC
Power Consumption	Max. 60 watts
IP-protection class	complete unit IP20
Permissible operation temperature	+ 5° ~ + 35°C
Permissible operation humidity	0 % ~ 95% (relative humidity, without condensation)
Weight	approx. 34 kg including base plate with floor bolts, approx. 44 kg with stable anti-tilt base plat
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* 4GB 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
Interfaces on the backside	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* 4GB 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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Configuration Options	
IS-24-BPL	Small base for floor mounting
IS-24-BPG	Large tilt-proof base for mobile use
IS-24-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-24-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-OPT-AUDIO2	External audio output accessible from the side via 3.5 mm jack plug
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