

# IS2-49

Information-Totem with 49"4K 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                    | <p>In order to avoid image sticking (burn-in effect) on your display, we recommend that you follow the instructions below:</p> <ul style="list-style-type: none"> <li>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.</li> <li>If possible, do not always place your logo or other repetitive contents (e.g. greeting template) in the same place.</li> <li>If possible, do not always fill the background with the same colour. Plan alternating colours or pictures.</li> </ul> <p>Use a moving picture or pure black as a screen saver.</p> |

| Technical Specification Display                |                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Display                                        | 49"                                                                                                   |
| 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 <sup>2</sup>                                                                                 |
| 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. 1926,1 (H) x 659,5 (W) x 65 (D) mm                                                                              |
| Dimensions Totem with floor screw connection (small base)                     | approx. 8 (H) x 671,7 (W) x 580 (D) mm<br>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 850 (W) x 850 (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. 75 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* 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,<br>1* M.2 B-Key 3042 in combination with SIM card slot                                                                                                                                |
| Graphics                                                  | Intel UHD 10th Gen. Grafik shared Memory                                                                                                                                                                      |
| Connections on the back of the built-in computer          | 1* HDMI 2.0b<br>1* Audio line-out/MIC combo 3.5mm jack socket<br>3* USB 3.1 (Gen.2) port, 3 x USB 2.0 port<br>2* Intel® i225V 2.5GbE<br>1* IEC connector (C13 socket)<br>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<br>Linux distributions on request<br>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<br>1* Audio line-out 3.5mm jack socket<br>4* USB 3.1 (Gen.2), 1 USB3.1 (Gen2) Type C<br>1* Intel® i219LM 1GbE<br>1* Intel® i225V 2.5GbE<br>1* IEC connector (C13 socket)<br>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<br>Linux distributions on request<br>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<br>1* DP: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 2160P<br>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-49-BPL                                        | Small base for floor mounting                                                                                                                                                                                                                         |
| IS-49-BPG                                        | Large tilt-proof base for mobile use                                                                                                                                                                                                                  |
| IS-49-OPT-WS                                     | Wall bracket in item colour with height-adjustable feet                                                                                                                                                                                               |
| IS-OPT-WLAN2                                     | Intel Wireless-AC 9260, 2.4Ghz / 5Ghz with Bluetooth 5<br>WLAN standards: IEEE 802.11a/b/g/n/ac<br>Encryption: WPA, WPA2, WPA3<br>Antenna position on the top or bottom of the device with 2 28mm antennas, WLAN only possible with surface mounting! |
| IS-49-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<br>Optional upgrade to Windows 10 /11 Professional, possible without operating system or installing a customer image                                                                                                                    |