

# TSPC2-42

**Panel-PC of 2nd generation with 42.0“ display in 16:9 format**

**Full glas front, flush mount or on-wall mount versions**

**Integrated embedded-PC supporting efficient INTEL CPUs**

**Built-in power supply and (W)LAN**



TSPC2-42 Properties	
<b>Applications</b>	Digital signage, building automation, (mobile) information systems
<b>Display</b>	42.0" (1067mm) TFT with true colour resolution
<b>Front side</b>	Full glas front of rugged single sheet security glas
<b>Cabinet</b>	Stainless steel cabinet with mounting frame or wall mount plate
<b>User interface (HMI)</b>	Touch screen optional, Projected Capacitive Technology (PCT)
<b>Processor</b>	INTEL Celeron 570 with 2.26GHz clock freq. (Optional with INTEL Core2Duo)
<b>Supply</b>	Build-in wide input range power supply
<b>Connectors</b>	2 x USB2.0, 1 x serial, 2 x Gbit-LAN, audio, 1 x VGA analogue, AC line input
<b>Safety</b>	Fail safe by integrated watch dog timer and hardware monitor
<b>Reliability</b>	Integrated ventilation unit with long lasting fans for use in difficult mounting situations
<b>Dual-display operation feature</b>	The integrated VGA output allows connection of a cost efficient passive second monitor unit (TSM2). It allows display of different contents at both displays.

<b>TSPC2-42 Specification</b>	
<b>Display resolution</b>	1920 x 1080 pixel (RGB), format 16:9
<b>Colour depth</b>	16Mio colours (true colour)
<b>Brightness</b>	500 cd/m <sup>2</sup>
<b>Contrast</b>	4000 : 1
<b>Viewing angle (horizontal/vertical)</b>	178° /178° (89-89/89-89); CR > 10
<b>Touch panel option</b>	with capacitive touch screen (PCT), internal USB link
<b>Supply voltage</b>	85 – 265 VAC (wide input range power supply)
<b>Power consumption (max.)</b>	ca. 250 W
<b>Mounting variants</b>	On-wall mounted with wall mounting plate Flush mounted with mounting frame
<b>Ventilation at flush mount version</b>	By constructive designed-in surrounding shadow gap. No additional mounting space (volumina) is required!
<b>Dimensions of TSPC with glas front</b> <b>On-wall mounting</b> Including wall mount plate	995 (w) x 588 (h) x 104 (d) mm
<b>Dimensions of TSPC with glas front</b> <b>Flush mount version with mounting frame</b>	1036 (w) x 629 (h) x 103 (d) mm (dimensions including shadow gap and mounting frame)
<b>Dimension of fitting aperture (at flush or wall recessing mount)</b> Mounting frame installed from rear side Mounting frame installed from front side	1037 (w) x 630 (h) mm 1045 (w) x 638 (h) mm
<b>Properties of the embedded PC:</b>	
<b>Processors supported</b>	INTEL socket M <b>Base configuration Celeron 570 @ 2.26GHz</b>
<b>Front side bus frequency (FSB)</b>	533/800 MHz
<b>Chip set</b>	GME965 GMCH (82965GME) ICH8-M IO channel hub
<b>System memory</b>	1 SO-DIMM socket (200 pins) for DDR2-RAM, 533 / 667 MHz. Base configuration 1GB, maximum 2GB
<b>Mass storage</b>	CF-Karte with 2GB, expandable or alternative with hard disk drive (HDD)
<b>Graphic unit</b>	Integrated INTEL GMA X3100 graphic processor
<b>Graphic memory</b>	Shared memory, maximum 224MB
<b>On board PCI</b>	1 Mini-PCI-express socket
<b>On board mass storage connector</b>	1 CF (Compact Flash) socket, accessible from rear side
<b>Connectors at rear side</b>	1 VGA port (HDSUB-15) 1 Serial port (DSUB-9) 1 PS/2 Keyboard/Mouse (6-pin Mini-DIN) 2 USB 2.0 ports 2 Gbit LAN ports 3 Audio (Line-in/-out/Microphone) (3.5 mm jacks) 1 CF-(Compact Flash) memory card
<b>Additional internal connectors</b>	2 USB 2.0 connectors for 4 USB ports (pin header) 1 IDE port 2 SATA-II ports 1 Serial port (RS232/422/485 configurable)
<b>BIOS</b>	AWARD-BIOS with integrated LAN boot ROM image
<b>Watch dog timer</b>	Timeout intervals from 1 – 255 min./sek.
<b>System monitoring &amp; management</b>	CPU and system temperature Internal operating voltages
<b>Allowed ambient temperature</b>	+5 ~ +35°C
<b>Allowed air humidity</b>	0% ~ 95% (relative humidity, no condensation)
<b>IP protection class</b>	Whole device IP20
<b>Noise emission</b>	Max. ca. 35dB(A) in 1m distance

TSPC2-42 order variants	
<b>TSPC2-42 with glas front</b> (single sheet security glas (ESG))	<b>TSPC2-42-GFP</b>
<b>Mounting plate</b> for (wall-) surface mounting	<b>TSPC2-42-WM</b>
<b>Mounting frame</b> for (wall-) flush mounting	<b>TSPC2-42-UMK</b>
<b>Touch screen PCT (Projected Capacitive Technology)</b> (proximation sensitive, useable with handgloves)	<b>TSPC2/M2-42-TS</b>
<b>Processor upgrade to INTEL Core2Duo T8100 @ 2.10GHz</b>	<b>TSPC2-C2D-T8100</b>
<b>Memory extension from 1 to 2GB RAM</b>	<b>TSPC2-RAM-2GB</b>
<b>CF card as mass storage (capacity 4, 8 or 16 GB) instead of 2GB</b>	<b>TSPC2-CF-4GB/-8GB/-16GB</b>
<b>Hard disk drive (HDD) as mass storage (capacity 160, 320, 500GB, 1TB)</b>	<b>TSPC2-HDD-160GB/-320GB/-500GB/-1TB</b>
<b>WLAN option</b> (Integriert WLAN module with antenna)	<b>TSPC2-WLAN1</b>
<b>Operating system Windows XP embedded</b>	<b>Included</b>
<b>Operating system Windows XP Professional instead XP embedded (Only in combination with hard disk option!)</b>	<b>WinXP-Pro</b>

## Convincing simple and clean mouting of the flush-mount version:



Slide device into the mounting frame

Let it click into place

Ready!