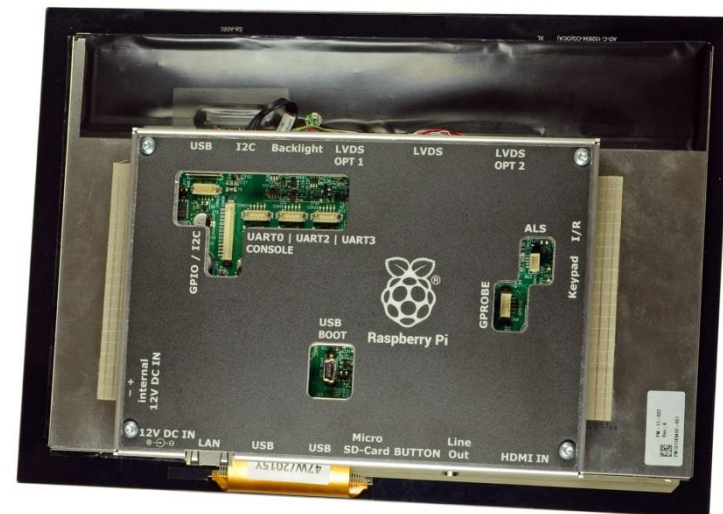
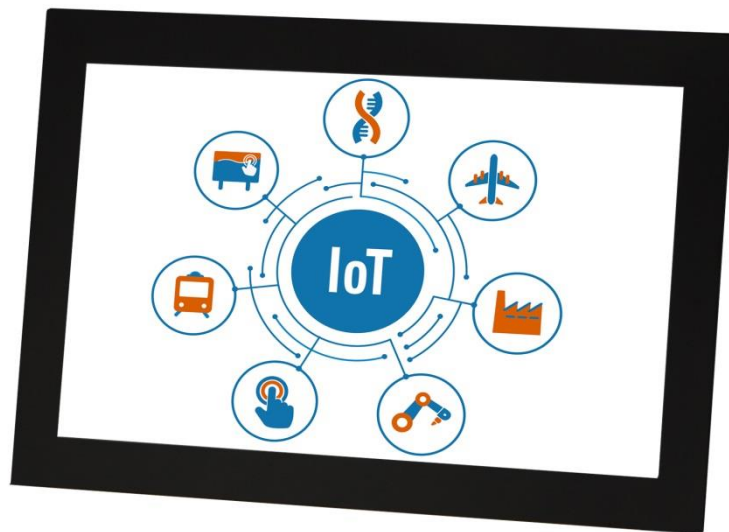


IoT Compact Panel

Ultra flat design and powerful performance for the Internet of Things



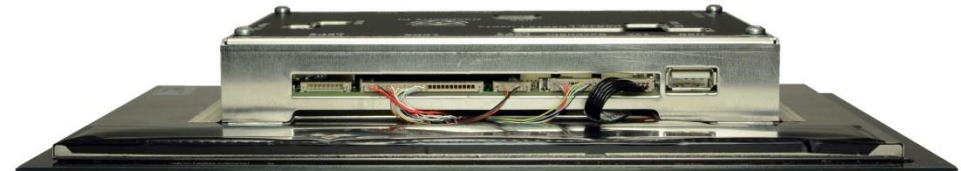


IoT Compact Panel

The IoT Compact Panel features our Raspberry Pi based TFT-Controller Artista-IoT and is therefore the perfect platform for Industry 4.0 and Internet of Things projects.

The flat and modular design of the housing allows an easy mounting on most available TFT displays

- Compact solution for the integration of TFT Panels
- Integrated Raspberry Pi Compute Module CM3
- Supports PCAP touchscreens (USB, I²C)
- Interfaces Front:
 - 12V Power, LAN, HDMI-IN, 2xUSB, Line Out, microSD
- Interfaces internal:
 - USB, LVDS, I²C, UART, internal power connector
 - IR-Remote, OSD keypad, ambient light sensor
- Offers all advantages of an ARM-PC such as:
 - low energy device
 - easy maintenance for IT departments
 - integrated cooling solution
- Standard applications such as Video Poster are available
- Simple programming of own applications (community support)





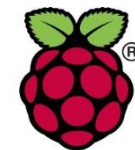
IoT Compact Panel

The IoT Compact Panel family offers a large number of standard display sizes:

Product	Part Number	Size	Resolution		Brightness cd/m ²	Special
IoT-CP-TM070JVHG33-00-00	DI-06-008	7,0"	WXGA	1280x800	500	with PCAP
IoT-CP-TM101JDHG30-00	DI-06-003	10,1"	WXGA	1280x800	500	Optional: PCAP / Glass
IoT-CP-VB-AA104XL02-A00	DI-06-002	10,4"	XGA	1024x768	250	Transflective; Optional: PCAP/Glass
IoT-CP-G121X1-L03-00	DI-06-001	12,1"	XGA	1024x768	600	Optional: PCAP / Glass
IoT-CP-G150XNE-L01	DI-06-004	15,0"	XGA	1024x768	500	Optional: PCAP / Glass
IoT-CP-G150XTK01.0	DI-06-005	15,0"	XGA	1024x768	390	with On-Cell PCAP, optional: Glass
IoT-CP-G215HVN01.0	DI-06-006	21,5"	FHD	1920x1080	300	Optional: PCAP / Glass
IoT-CP-P270HVN01.0	DI-06-007	27,0"	FHD	1920x1080	350	Optional: PCAP / Glass

VACUBOND[®] Optical Bonding available for all displays as an option

Other displays available upon request



Raspberry Pi

Flyer

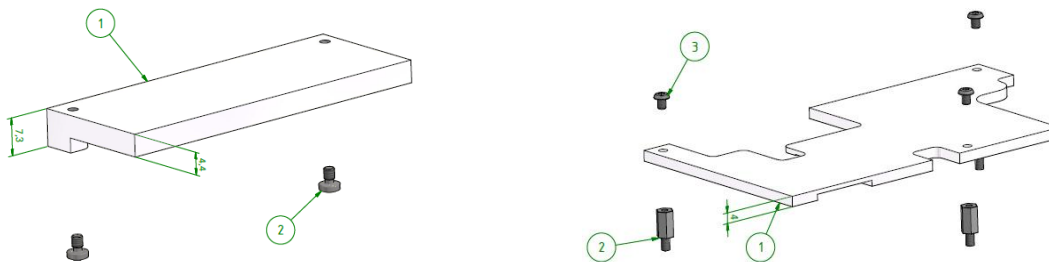
your specialist for flat screen solutions



IoT Compact Panel

A passive cooling solution is standard for all Artista-IoT Compact Panels. Two different versions are available:

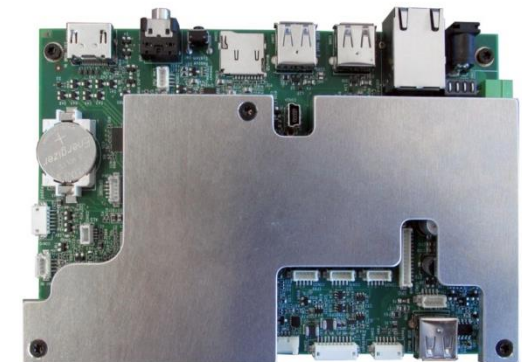
- Passive cooling KI-90-020 mounted under the Box-Set, integrated as standard in all IoT Compact Panels
- Passive cooling KI-90-019 for solutions without Box-Set
- Passive cooling reduces the CPU temperature by up to 30°C
- Allows 100% CPU performance even at high ambient temperatures up to 80°C ⁽¹⁾
- Thermal compound is used between components to ensure maximum heat transfer (Prolima.PK-1 Nano Alu recommended)



(1) Depending on TFT-panel operating temperature specification



Passive cooling for use with Box-Set



Passive cooling solution without Box-Set



IoT Compact Panel

This Example shows the IoT-CP-TM070JVHG33-00-00 (part no.DI-06-008)

- Integrated PCAP Touchscreen with 5 touch points
- High resolution: 1280x800
- SFT wide viewing angle: v/h 170°/170°





IoT Compact Panel

This Example shows the IoT-CP-VB-AA104XL02-A00 (part no. DI-06-002)

- Transflective display with perfect sunlight readability and low power consumption
- PCAP Touchscreen with 10 touch points
- Optical Bonding to minimize reflections caused by light refraction

VACUBOND®



Flyer

Software for the IoT Compact Panels

- [Raspbian O/S](#) is a free operating system based on Debian optimized for the Raspberry Pi hardware
- [Info Beamer](#) is capable of displaying any kind of information since it's fully programmable e.g. synchronized content and full HD video playback.
- [VideoPoster-IV](#) is a full HD capable network player. MPEG media files are played back from an SD card. Videos are transferred via USB or Ethernet.
- [Emteria](#) is an O/S based on industrial Android 7.1, providing a simplified development processes.





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