janztec
Industrial Computing Architects

emVIEW-P

New Industrial Panel PC Series

PRODUCT DESCRIPTION

The new industrial Panel PC series is based on a mITX motherboard which supports Intel® Core™ processors of the 12th, 13th and 14th generation. The use of state-of-the-art technologies ensures a long service life. By working with our closest partners, availability is improved and desired customizations can be realized in a short time. The design emphasizes the slim and modern look. An anti-reflective coating ensures greater operational reliability.

FEATURES

Processor
• 12th, 13th and 14th Generation of Intel® Core™ CPU Technology supported

Display
• 15.6", 21.5", 24" or 32" TFT display [1]
• Technology: Color Active Matrix Liquid Crystal Display with LED-Backlight
• Aspect ratio: 16:9
• Pixel: 1920 x 1080, RGB
• Color: 16.78M colors 6bit
• Viewing Angle: H/V typ. 178°
• Luminance: typ. 250 cd/m²
• Contrast Ratio: typ. CR 1000
• MTBF of back light: 30.000h

Touchscreen
• Capacitive touchscreen (PCT)

Memory
• Up to 64 GB DDR5-5600 RAM

Storage
• up to 512 GB M.2 PCIe SSD

Interfaces
• 2 x 10/100/1000 Mbit/s Ethernet
• 1x USB 3.2 (Type-C), 1x USB 3.2 and 2 x USB 2.0 (Type-A)
• 1 x Display Port, 1x HDMI

Environment
• Ambient operating temperature 0 °C ... 50 °C
• Non-operating temperature range -20 °C ... 75 °C
• 5 % ... 85 % r.H., non-condensing
• Standard 3mm thermally toughened Gloss 70 NFT
• Stainless steel front frame
• IP65 flush-mounted cover glass, IP42 housing rear ST sheet metal powder-coated
• Fanless cooling concept
• Mounting: VESA 100

Power Supply
• Input 19... 24 V_{DC}

[1] Feature depends on system type. Please see table SYSTEM DEPENDENT FEATURES for further information.

PRELIMINARY DATASHEET

Software

- Linux operating system
- Windows 11 IoT Enterprise
- Windows 10 IoT Enterprise
- CODESYS V3 runtime environment

Options

- Front I/O and/or USB
- Keypad, extension for additional buttons or emergency stop
- I/O or bus module (saftey bus option)
- Legic/Baltech reader or 2D scanner
- 1 x RS232

SYSTEM DEPENDENT FEATURES

System Type	emVIEW-16/P	emVIEW-21/P	emVIEW-24/P	emVIEW-32/P
Touch technology	Capacitive Multitouch			
Display size	15.6"	21.5"	23.8"	32"
Display resolution	1920 x 1080			
Contrast ratio	1000:1 (typ.)			
Viewing angle	178 ° (hor.) 178 ° (vert.)			
Luminance	250 cd/m²			
Input Level	19 ... 24 V_{DC}			
Power consumption	35 W (typ.)	35 W (typ.)	35 W (typ.)	45 W (typ.)
Dimensions in mm (w x h x d)	tbd	525 x 315 x 60	580 x 345 x 60	740 x 450 x 65

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