

emVIEW-P

New Industrial Panel PC Series



PRODUCT DESCRIPTION

The new industrial Panel PC Series is based on a mITX Motherboard which support Intel® Core™ processor (12th/13th/14th Gen).

FEATURES

Processor

- 12th, 13th or 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 backlight: 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 SYTEM DEPENDENT FEATURES for further information.

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 (safety bus option)
- Legic 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	Capacitive Multitouch	Capacitive Multitouch	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/m ²			
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

PRELIMINARY DATASHEET