

emVIEW-15 series

15.0" Panel PC Systems based on ARM and X86 Technology



emVIEW-15 with emPC-CX+

PRODUCT DESCRIPTION

emVIEW systems have a modular mechanical concept. They can be based on different standard emPC hardware depending on needed CPU performance and interfaces. A 8 mm bend-proof aluminum front panel ensures IP65 protection class at front side. Custom hardware configurations and designs are available upon request.

FEATURES

Display

- 15.0" XGA display size
- LED backlight technology
- Aspect ratio 4:3
- Resolution: 1024 x 768
- Luminance: 500 cd/m² (typ.)
- Contrast Ratio: 2500:1 (typ.)
- MTBF of back light: 50,000 h
- Internally connected with emPC via LVDS interface.
Display interface of emPC is available in addition.

Touchscreen

- 4-wire resistive touchscreen
- Capacitive touch screen (PCT) for multi-touch use available on request
- Internally connected via serial line

Processors

- NXP i.MX6 quad-core based on ARM Cortex-A9, 800 MHz
- Intel Atom E3825 (2 x 1.33 GHz)
- Intel Atom x5-E3940 (4 x 1.6/1.8 GHz)
- Intel i3-7100U (2 x 2.4 GHz)
- AMD Ryzen V1404I (4 x 2.0/3.6 GHz)
- Intel Xeon E5-1505L V6 (4 x 2.2/3.0 GHz)

External Interfaces

- 2 x 10/100/1000 MBit/s Ethernet
- Up to 4 x USB 3.0 ¹⁾
- Up to 4 x 9-pin D-SUB connector for CAN or serial ports ¹⁾

Power Supply

- Input 14 ... 32 V_{DC}

¹⁾ Feature depends on combined emPC system. Please contact your local sales representative for further information.

Environment

- Up to -20 °C ... 60 °C ambient operating temperature ¹⁾
- Up to -20 °C ... 75 °C storage temperature ¹⁾
- Humidity 5 ... 80 % @25 °C, non-condensing
- Dimensions 320 x 260 x 55 (min) ¹⁾

Software ¹⁾

- Linux Debian
 - Windows 10 IoT
- For special operating system images do not hesitate to contact our sales team. CODESYS IEC 61131-1 environment
- CODESYS IEC 61131-3 runtime environment

Options

- Projective Capacitive Touchscreen (PCT)
- Optical Bonding
- High Brilliance, sunreadable TFT Display
- Expansion boards available for additional I/O and other peripherals ²⁾
- Function Keys in front (capacitive or mechanical)
- RFID wireless scanning unit integrated in front design
- Custom front design
- IP67 housing with swing arm mounting

¹ Feature depends on combined emPC system. Please contact your local sales representative for further information.