janz**tec**
Industrial Computing Architects

emWEB-7

Low-Cost Web-Panel with HTML5 browser support

PRODUCT DESCRIPTION

The emWEB-7 panel device is designed to simply visualize machine data provided in web pages, either in pages of CODESYS web visualization or in web pages of any other web-based environment. They are based on a Freescale i.MX6 dual core ARM processor. A minimal pre-installed Debian Linux OS is the basis for a HTML5 web browser application which automatically starts in full screen mode after system boot-up.

FEATURES

Processor
• Freescale NXP i.MX6D, 2 x 800 MHz

Display
• 7.0" WVGA TFT display
• Resolution 800 x 480
• Aspect ratio 16:9
• Viewing Angle: 120° (hor.)/120° (vert.)
• Luminance: 800 cd/m² (min.), 1000 cd/m² (typ.)
• Contrast Ratio: Up to 500:1
• UV protection

Touchscreen
• 4-wire resistive touchscreen with single touch

Memory
• 1 GB DDR3 memory (soldered to board)

Storage
• 8 GB microSD card (internal)

External Interfaces
• 1 x 10/100 BaseT Ethernet
• 1 x USB 2.0
• 1 x Connector for power supply
• 1 x CAN (optional)

Environment
• Ambient operating temperature: -20 °C ... 55 °C
• Non-operating temperature range: -20 °C ... 75 °C
• Humidity: 0 % ... 80 % @ 25 °C, non-condensing
• Dimensions (w x h x d) 213,5 x 147,0 x 24,0 mm
• Housing:
    • Solid metal sheet housing for industrial usage
    • IP65 front side, IP20 rear side
• Front design „Janz Tec" for default
• CE certified

PRODUCT DATASHEET

Customized Solutions Feel free to contact Janz Tec's sales team for special requirements and features:

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JANZTEC.COM

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Power Supply

• Input 9 … 34 V_{DC}

Software

• Minimal Debian Linux operating system
• HTML5 browser application automatically starting in full screen mode after system boot up

Options

• Customized front design possible (MOQ)
• 4 free programmable buttons at front side (MOQ)
• CAN Interface
• Security Features
  • Signed and encrypted boot (High Assurance Boot)
  • Hardware random number generator
  • Hardware-accelerated cryptographic engine

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