

TV machine interface WBGcMTFHD



- High-resolution HD 1080p ^{HDMI™} output
- Two 2D graphics engines
- Plays videos in high resolution, video decoding 1080p H.264
- Supports custom resolutions for 16:9 / 4:3 LCD monitors.
- Supports MPI connection (187.5K)
- 1 Gigabit Ethernet port
- Fanless cooling system
- Compact design and DIN rail mounting
- USB 2.0 host
- Integrated 4 GB flash memory and RTC real-time clock
- Integrated galvanic isolation of supply and system voltage
- Wide input voltage range from 10.5 VDC to 28 VDC

<https://www.wachendorff-prozesstechnik.de/en/WBGcMTFHD>

Description

The WBGcMTFHD from Weintek is a simple and cost-effective solution for visualizing process data on large television sets and industrial touch monitors. With its serial interfaces and integrated MPI interface, the TV machine interface is the ideal solution for easy-to-implement and brilliant visualizations on large screens. The highly visible display of process data or KPI values, for example, helps you to keep a better eye on your production. The WBGcMTFHD from Weintek meets all the criteria of a modern operating device, but the image output is provided via an HDMI interface. If a touch-capable monitor is used, operation is also possible via this.

The very compact and fanless WBGcMTFHD is designed for a wide temperature range and will fit into any control cabinet.

The 32-bit RISC Cortex-A9 with a clock rate of 1 GHz ensures very fast data processing.

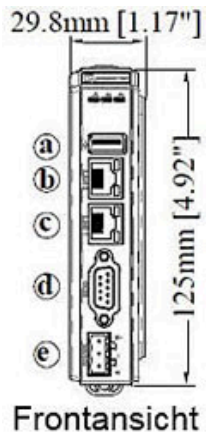
Thanks to the integrated battery-buffered real-time clock, secure data storage with a reliable time stamp is possible.

Product details

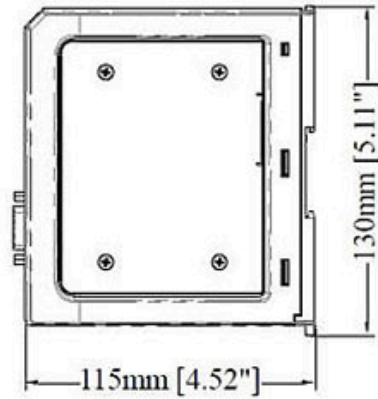
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|--------------------------------|---|
| Memory: | 1 GB RAM 4 GB Flash |
| CPU and core logic: | 32-bit RISC Cortex A9, 1 GHz processor (two 2D graphics engines) Linux based operating system |
| USB interface: | 1 x USB 2.0 host |
| Ethernet interface: | LAN1: 10/100/1000 BaseT LAN2: 10/100 BaseT |
| Serial interface: | 1x COM1: RS232 1x COM2: RS485 2-/4-wire, 1x COM3: RS485 2-wire, All RS485 interfaces are individually programmable including an MPI connection (187,500 baud). |
| HDMI | Resolution: 1920 x 1080 (customizable) |
| Real-time clock: | Internal real-time clock (RTC) available, lithium battery buffered |
| Power supply: | 10.5 VDC to 28 VDC; 550 mA at 24 VDC. Connection via detachable 3-pole terminal strip. |
| Printed circuit board coating: | PCB |
| Housing: | Sturdy plastic housing |
| Dimensions (HxDxW): | 130 mm x 115 mm x 29.8 mm |

| | |
|---------------------|---|
| Weight: | 0.24 kg |
| Project planning: | EasyBuilder Pro |
| Assembly: | 35 mm DIN rail |
| Protection class: | IP20 |
| Ambient conditions: | Storage temperature: -20 °C to +60 °C Operating temperature: 0 °C to 50 °C Relative humidity: 10 % to 90 % (non-condensing) |
| Shock: | 10 Hz to 25 Hz (X,Y, Z direction, 2G for 30 minutes) |
| Certificates: | CE |
| Software: | EasyBuilderPro V6.02.01 or later |
| Manufacturer: | Weintek Labs, Inc |

Drawings
Dimensions



Frontansicht



Seitenansicht



Rückansicht



Draufsicht

| PIN | COM1 [RS-232] | COM2 [RS-485] | | COM3 [RS-485] 2-Draht |
|-----|------------------|------------------|---------|-----------------------------|
| | | 2-Draht | 4-Draht | |
| 1 | | | | Data+ |
| 2 | RxD | | | |
| 3 | TxD | | | |
| 4 | | | | Data- |
| 5 | GND | | | |
| 6 | | Data+ | Rx+ | |
| 7 | | Data- | Rx- | |
| 8 | | | Tx+ | |
| 9 | | | Tx- | |

| | | | |
|---|--|---|--------------|
| a | USB Host | f | HDMI-Ausgang |
| b | LAN 2 | g | DIP-Schalter |
| c | LAN 1 | h | Reset-Taste |
| d | COM1 RS-232, , COM2 RS-485 2-/4-Draht, COM3 RS-485 2-Draht | | |
| e | Anschluss Spannungsversorgung | | |



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