

DL 7" Pi-Tron CM4

Display-Line



Touch-Panel DL 7" Pi-Tron CM4

- PCAP Multitouch
- Aluminium front
- Raspian Linux Operating system

| HUMAN-MACHINE-INTERFACE | | STANDARD | OPTIONS |
|-------------------------|---|---|--|
| FUNCTION | FRONT DISPLAY TOUCH | Aluminium front frame 7" IPS, 1024 x 600 Pixel 450 cd/m ² PCAP Multitouch | |
| OTHER | POWER SUPPLY POWER CONSUMPTION RTC BUFFERING DEBUG DIMENSIONS (W x H x D) TEMPERATURE RANGE* PROTECTION CLASS | 24V DC ±20 % Linux running 7.2 - 13.4 W CR2032 1x Console Alu-Front: 200.1 x 131.9 x 46.5 mm 0 °C...+55 °C Front IP65, back IP20 | |
| CPU-UNIT | CPU | Broadcom BCM2711, 4x Arm® Cortex®-A72 @1.5 GHz, 3D Video Engine | |
| MEMORY | LPDDR4 eMMC SD-CARD EEPROM* | 2 GByte Compute Module CM4: 16 GByte CM4 Lite: 1x microSD Card Slot for Operating System, CM4 8 GByte, 16 GByte, 32 GByte: 1x micro SD Card Slot for data 4 kB (32kb) | 1 GByte, 4 GByte, 8 GByte CM4: lite/8 GByte/32 GByte, (lite: without eMMC only with microSD Card) |
| COMMUNICATION | ETHERNET USB WLAN/BLUETOOTH® SERIAL CAN DIO | 1x Gbit/s, 1x 10/100 Mbits/s 2x 2.0 Host, 1x 2.0 OTG: only to programm eMMC optional 2.4 GHz/5.0 GHz IEEE 802.11 b/g/n/ ac wireless BT 5.0, BLE 1x RS232, 1x RS485 1x CAN 2.0B/FD 4x DIO (24V/up to 800mA) | |
| DISPLAY | LCD INTERFACE | 1x HDMI 2.0 (up to 4Kp60 - HDMI0) | |
| SOFTWARE | OPERATING SYSTEM RTC | Raspian Linux ± 1ppm accuracy | |

* Preliminary data

Product Highlights

The high-quality and modern 7" Touch Display DL Pi-Tron CM4 can be deployed in a wide range of industries as well as in the plant and machinery sector. In mechanical engineering, for instance, it can serve as a decentralized operating and display unit in "smart building" management and be used for communication. A unique feature is that a HDMI monitor can be connected at the screen so that the display can be duplicated or extended.

The 7" Display Line panel features outstanding optical capabilities and a wide viewing angle. It is designed for installation in switch cabinets and control consoles and almost any other mounting option. The large community behind Raspberry Pi products who provides software examples and compiled program packages to download free of charge is a huge advantage.

Client Benefits

- High-quality design
- Long-term availability
- Flexible assembly
- Compact design
- Excellent price/performance ratio

Applications

- IoT/Industry 4.0
- Communication
- High-end Touch-Display
- Mechanical engineering
- Building automation



About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

For more information, please visit: www.kontron.com

About Kontron Electronics

Kontron Electronics GmbH is a full-service provider in the field of electronics, development and manufacturing services. Our business portfolio includes proprietary and client-specific products, development and design services for complex electronics components, modules and systems, as well as production and assembly services for entire devices. The company is part of the technology corporation Kontron AG.

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