DL 7” Pi-Tron CM4

Display-Line



Touch-Panel DL 7“ Pi-Tron CM4

- PCAP Multitouch
- Aluminium front
- Raspian Linux Operating system

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Technical Information

HUMAN-MACHINE-INTERFACE		STANDARD	OPTIONS
FUNCTION	FRONT DISPLAY TOUCH	Aluminium front frame 7" IPS, 1024 x 600 Pixel 450 cd/m² 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 1 Gbit/s, 1x 10/100 Mbit/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, Kontronprovides secure and innovative applications for a wide variety of industries. As a result, customers benefit from aceerated 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 electronics industry, offering comprehensive services in development, rapid prototyping, and manufacturing. The company's portfolio includes proprietary and customer-specific products, development and engineering services for complex electronic components, modules, and systems, as well as production and assembly services for complete assemblies. The company is part of the Kontron AG technology group.

For more Information please visit: **www.kontron-electronics.com**

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