TTControl

Preliminary Product Datasheet

eVision^2 10.4

Description

Compact 10.4" monitor with built-in, high-end Vision^2 display controller and solid protection for use in off-highway vehicles. Ready for attachment of up to two cameras. May either be mounted in the vehicle dashboard or through a RAM ball elsewhere in the vehicle cockpit. Its display is characterized by low reflection and high color saturation and provides optimal readability in any lighting conditions. Seven programmable control keys, three hard-keys as well and touch screen allow for the creation of an easy-to-use human machine interface.

Specifications

Display Diagonal size	10.4'' (26cm) – 4:3 aspect ratio
Dimensions	280 mm (W) x 232 mm (H)
Weight	2.3kg
Resolution	1024 (W) x 768 (H) pixel
Active area	210.4 (H) x 157.8 (V) mm
Dot pitch	0.0685 (H) x 0.2055 (V) mm
LCD type	TFT (thin film transistor) active matrix
Touch screen (opt.)	resistive
Backlight	LED
Backlight lifetime	50,000 hours (min) at +25°C
Housing	Aluminum die-cast

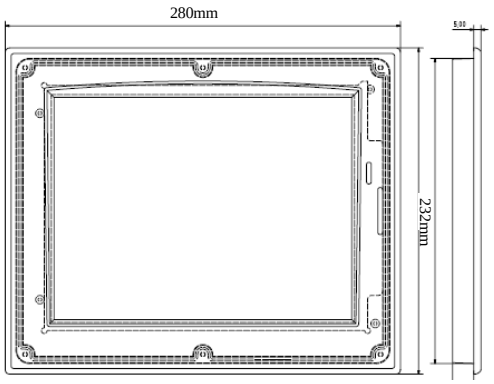
Absolute Maximum Ratings

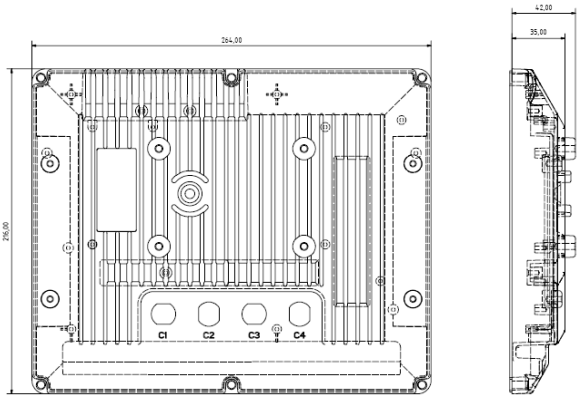
Operating temperature	-30 to +60°C (ambient)
Storage temperature	-30 to +80°C
Supply voltage	9 to 34V

Optical Characteristics

Luminance	500 cd /m²
Viewing angle	V = 88 deg H = 88 deg
Contrast ratio	1200:1

Housing front and back with dimensions





Features

- 10.4'' display 1024x768 with wide viewing angle, high contrast and optional touch screen
- Multimedia Processor 32bit ARM Cortex A8 800MHz
- 512MB Flash; 256MB RAM
- SD Card for memory extension
- Keyboard with 7 freely programmable buttons and three hard keys for up, down and enter
- Wide power supply range for use in 12V and 24V supply systems (9V to 34V)
- 2x video input for external composite video cameras with circular DIN connectors
- 4 x CAN, 125 kbit/s up to 1 Mbit/s
- 1 x RS-232 and 1 x Ethernet 100 Mbit/s
- 1x USB 2.0 OTG
- K15 for ignition input
- Real-time-clock and internal battery
- Buzzer and Audio output
- Optional: 3G Modem or GPS Module

- Aluminium diecast housing
- Panel or cabin mount
- Water and dust resistance IP65
- 4 x standard Amphenol connectors, 2 DIN connectors for cameras

- Programmable in CoDeSys® V3

All external interfaces are protected against short circuit to GND and BAT+.

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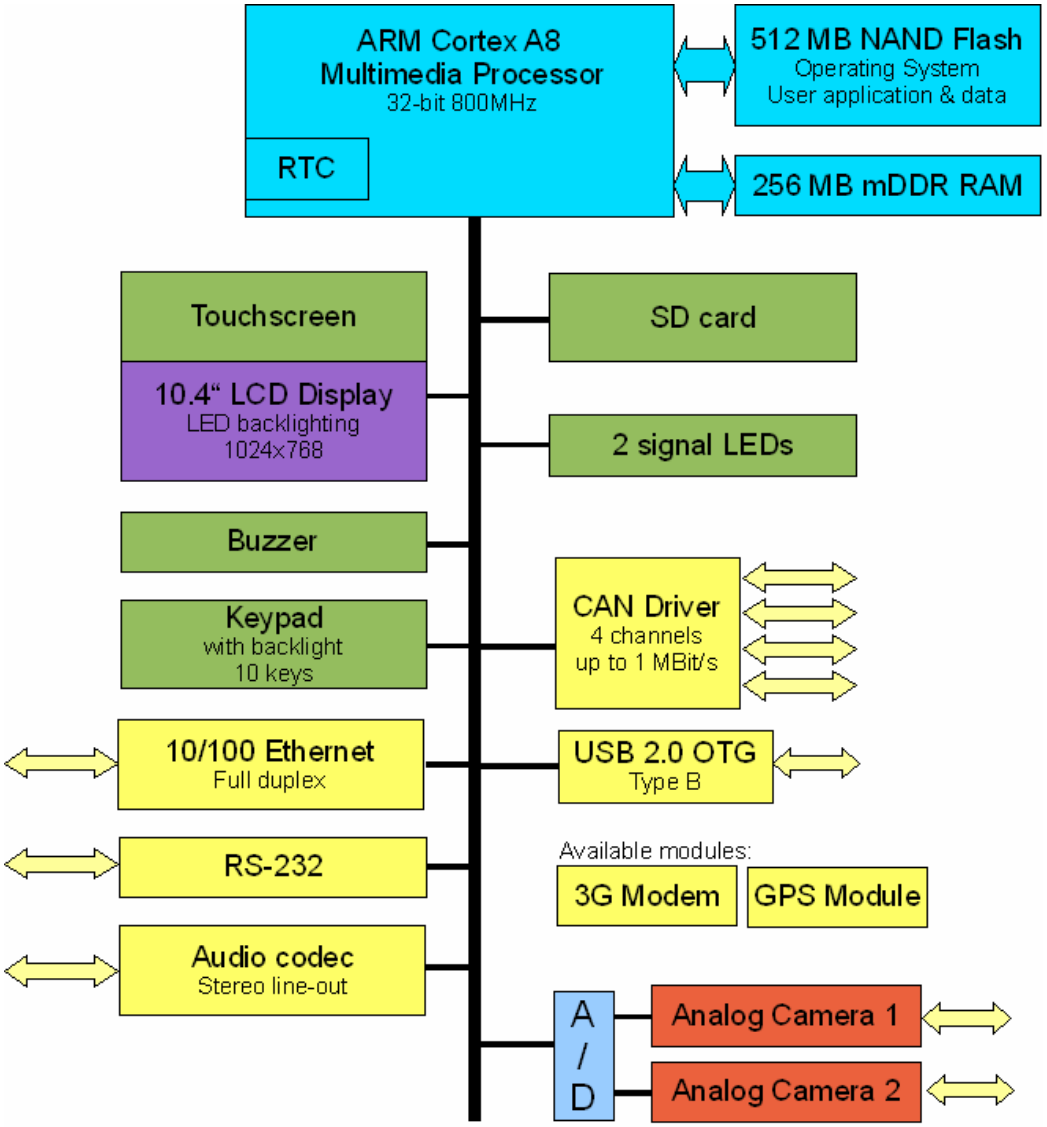

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