

Opus A3s human machine interface



When the device should be as good and inexpensive as the A3 Eco but certain extra features should not be missing the Opus A3s is the right choice: With encoder, three hard and eight soft function keys.

Housing

Standalone or dashboard mount, orientation landscape or optional portrait, approx (W x L x H) 198 mm x 98 mm x 60 mm, incl encoder, excl connector and cables Weight

Display

4,3 inch, 15:9, TFT, transmissive, 480 × 272 pixel, 400 cd/m² max brightness, 400:1 max contrast, H ±60°, V ±55° max viewing angles

User interface

Optional analog-resistive touchscreen, 8 softkeys, 3 hardkeys, key backlighting – blue, adjustable, 1 encoder with push click to enter

Signals

1 multicolor LED and 3 status LEDs, piezo alarm approx 60 dBA

Processor

32-bit, 532 MHz, I.MX35

Memory

128/256 MByte DDR2 RAM, 512 MByte/1 GByte mass storage, 32 KByte serial EEPROM

Interfaces

2 CAN ISO 11898, supports extended CAN frames (29-bit CAN-ID) active,
1 EIA-232 (RS-232) (Rx/D, Tx/D, GND), EIA-level,
optional 4 inputs, (analog or digital, selectable via software),
optional 3 digital outputs,
1 USB 2.0 full speed on main connector, optional 1 USB 2.0 high speed on front, optional Ethernet 10/100 Mbit

Video

Optional 1 composite CCITT video input, 1 Vpp, supporting PAL and NTSC, free video frame scaling and overlay functionality, camera control output (open drain) for special functionality (mirror, shutter, heating etc.)

Real-time clock

Buffered for 2 weeks by gold cap, accuracy ±4 sec/day

Connectors

Main: AMP Seal, 26 pin, power supply, analog/digital I/O
USB: On main connector, optional USB A slot on front,
Video: 5-pole round connector, M12, B-coded
Ethernet: 4-pole round connector, M12, D-coded

Power supply

Max tolerable 8 V_{DC} to 36V_{DC}

Environmental conditions

Temperature: Operating –30 °C to +65 °C Storage –40 °C to +85 °C
Protection: IP65 and IP66 according to ISO 20653
Vibration: 5 g @ 57 Hz to 2 000 Hz, 150 h per axis, shock 30 g, 11 ms, 10 times per axis

Certificates

e1 and CE mark

Operating system

Embedded Linux Kernel 3.0.0 or higher

Programming

OPUS Projektor supporting CANopen®, Generic driver, CANfreestyle, SAE J1939

Advanced programming

Codesys V3.X, programming in C/C++, ISO-VT

Contact us

You've got questions? Would you like to get any more information? Are you looking for another operator console not listed here? We will be happy to help you:

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Features

No features listed.