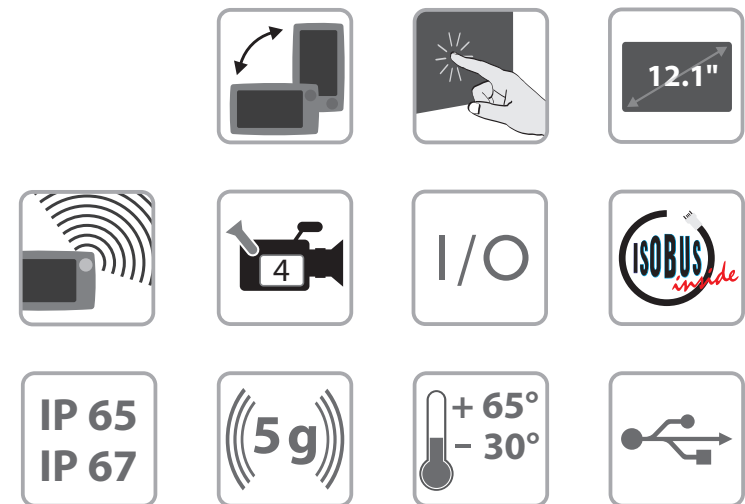# OPUS A8s - High Performance with a Strong Presence

The OPUS A8s sets new standards. Its high-resolution, 12.1" screen and aluminium casing give this model a high-class, modern look that you can take with you anywhere.

In the full line range, the OPUS A8 features 1024 MB of RAM and two CANbus ports. Three analogue video inputs, four D/A inputs and three digital outputs add further convenience. The device also has Bluetooth, an audio output and an USB port on the front of the panel for even greater connectivity.

For situations requiring fewer connections, the basic line is a good choice. This has the same visual appearance, but differs in the technical features that it offers.

12.1"

4

I/O

ISOBUS inside

IP 65
IP 67

5 g

+ 65°
– 30°

Housing

Orientation landscape or portrait

W361 x H201 x D97 mm
excl. connector and cables

Display

12.1", 16:9 TFT transmissive

1280 x 800 px , 400 cd/m²

Contrast ratio 1000:1

Signals

1 multi-color LED

3 status LED's

Speaker

Processor

32-bit, 850 MHz
Freescale® I.MX6™ quad

Memory

1024 MB DDR2 RAM

8 GB NAND flash

User Interface

8 softkeys

4 hardkeys

Analog-resistive
glass/glass touchscreen

Interfaces

2 x CANbus ISO 11898

CAN specifcation 2.0 B active

1 x RS-232 (RxD, TxD, GND only)

Gigabit ethernet 10/100 Mbit/s
Base-T

Analog/Digital I/O:
4 digital/analog inputs,
3 digital outputs

Video

3 composite CCITT video inputs

PAL 50 Hz color coding / NTSC

1 Vpp, 75 Ohm

Wireless

Bluetooth® 2.0, Class 2

Power Supply

9 … 36 V DC

Operating System

Embedded Linux®

Real Time Clock

Buffered by goldcap

Environmental Conditions

Temperatures
operating - 30° to +65°C
storage –40° to +85°C

Protection IP 65 and IP 67

Vibration 5g, Shock 30g

Programming Environment

Wachendorff Projektor-Tool
for Windows®

CODESYS V3

ISO-VT

Supported Protocols

CANopen®

CANfreestyle

J1939

Advanced Programming Environment

C/C++

Certificates

CE mark

Connectors

Main: AMP Seal, 26 pin

Video: M12 round, 5 pole, b-coded

Ethernet: M12 round, 4 pole, d-coded

A8s preliminary specifications