

Das A1rvc mit Intel® Atom™ CPU kombiniert starke Leistung mit der Robustheit eines Wachendorff Bediengerätes. Vier CANbus Ports, RS232, WLAN, GSM, GPS, Ethernet, Bluetooth®, USB, SD, bis zu acht Kameras – Fast alles ist möglich.

The A1rvc with Intel® Atom™ CPU combines strong performance with the robustness of a Wachendorff console. Four CANbus ports, RS-232, WLAN, GSM, GPS, Ethernet, Bluetooth®, USB, SD and up to eight cameras – Almost anything is possible.

Doté d'un processeur Intel® Atom™, le A1rvc allie les performances et la robustesse d'un terminal opérateur Wachendorff. Quatre ports CANbus, RS-232, WLAN, GSM, GPS, Ethernet, Bluetooth®, USB, SD, jusqu'à huit caméras – presque tout est possible.

El A1rvc con CPU Intel® Atom™ combina una gran prestación con la robustez de los paneles de mando Wachendorff. Cuatro puertos CANbus, RS232, WLAN, GSM, GPS, Ethernet, Bluetooth®, USB, SD, hasta ocho cámaras: casi todo es posible.

O A1rvc, com CPU Intel® Atom™, combina excelente desempenho com a robustez de um painel de operação Wachendorff. Quatro portas CANbus, RS232, WLAN, GSM, GPS, Ethernet, Bluetooth®, USB, SD, até oito câmeras: possibilidades ilimitadas.

A1rvc с процессором Intel® Atom™ объединяет в себе высокую производительность с надёжностью блока управления Wachendorff. Четыре порта CANbus, RS232, WLAN, GSM, GPS, Ethernet, Bluetooth®, USB, SD, до восьми камер – возможно практически всё.

安装了 Intel® Atom™ 处理器的 A1rvc 配合 Wachendorff 操作设备的强健性能可提供强大的功能。四个 CANbus 接口，RS232，WLAN，GSM，GPS，以太网（Ethernet），蓝牙（Bluetooth®），USB，SD，以及八部照相机 – 几乎一应俱全。



## OPUS<sup>®</sup> A1rvc



12" Display, 4:3,  
Optional housing  
for dashboard mount,  
orientation landscape,  
optional portrait.

[www.wachendorff-elektronik.de](http://www.wachendorff-elektronik.de)

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## HOUSING

Standalone, orientation landscape, optional dashboard mount, optional portrait

W 315 x H 243 x D 77 mm, incl encoder, excl connector and cables

Weight 3.4 kg

## DISPLAY

10.4", 4:3 Standalone or 12", 4:3 Dashboard

TFT, transmissive

1024 x 768 pixels

350 cd/m<sup>2</sup> max brightness

1200:1 max contrast

H ±88°, V ±88° max viewing angles

## USER INTERFACE

Analog-resistive touchscreen

8 Softkeys, 1 Hardkey

Key backlighting - green, adjustable

1 encoder with push click to enter

## SIGNALS

1 red LED

Piezo alarm approx 80 dBA

## PROCESSOR

32-bit, 1.1 GHz / 1.6 GHz, Intel® Atom™

## MEMORY

512 MB / 1 GB DDR2

4 / 8 GB Mass Storage

32 kB serial EEPROM

1 slot for SD or MM card

## INTERFACES

4 CANbus ISO 11898, CAN specification 2.0 B active

1 RS-232 (RxD, TxD, RTS, GND only), EIA-level

Analog/Digital I/O

4 analog/digital inputs, 4 digital inputs, 4 digital outputs

1 USB 2.0 high speed on front

Ethernet 10/100 Mbit

## WIRELESS

Optional Bluetooth® 2.0, Class 2

Optional IEEE 802.11b, 802.11g

Optional GPS

Optional internal Quad-Band GSM module

## VIDEO

4 Composite CCITT video input,

PAL 50 Hz color coding, input level

1 Vpp, 75 Ω. Optional 8 video inputs.

Multiple video functions via dedicated video processor.

## AUDIO

1 Surround 3.1 out left/right/center.

1 Stereo audio in left/right.

2 Microphone in.

## REAL TIME CLOCK

Buffered for 2 weeks by gold cap, accuracy ±1 sec/day

## CONNECTORS

Main: AMP Super Seal, 26 pin, inverse protected

Analog/Digital I/O: On main and extension connector

USB: On main connector and USB A on front

Ethernet: RJ45 behind door

Video: AMP Super Seal, 26 pin, inverse protected

Audio: On extension connector

## POWER SUPPLY

Max tolerable 8 – 36V DC

## ENVIRONMENTAL CONDITIONS

Temperatures

Operating –30° to +65°C

Storage –35° to +80°C

Protection IP 65 with SD slot and USB port closed. Not for outdoor use.

Vibration 5g @ 10 – 300 Hz, 24 h per axis  
0,35 mm @ 10 – 57 Hz, 24 h

Shock 30g, 11ms, 3 times per axis

## CERTIFICATES

CE mark

## OPERATING SYSTEM

Embedded Linux®, optional Windows® XPe

## PROGRAMMING

Wachendorff Projektor-Tool for Windows® NT/2000/XP supporting

CANopen®

Generic driver

CANfreestyle

J1939

## ADVANCED PROGRAMMING

Optional CoDeSys v3

Optional Programming in C/C++

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 OPUS<sup>®</sup> A1 rvc



