URVE Board A72

Single-Board Computer

Board connector labels:

- 12V in
- Analog Audio
- HDMI out
- USB Type C
- USB 3.0
- Ethernet 1000Mbit
- Optical Out
- 2 x USB 2.0
- 12V power-in pinout
- FAN
- GPIO, 2 x RS 232
- RS 485
- Debug
- Battery Module
- PIR
- 5V OUT
- SATA
- eDP
- SPI 24V Slave 2x
- GPS module pinout
- WIFI module pinout
- Modem HSPA+ slot
- SIM slot
- microSD
- Reset
- Recovery BTN
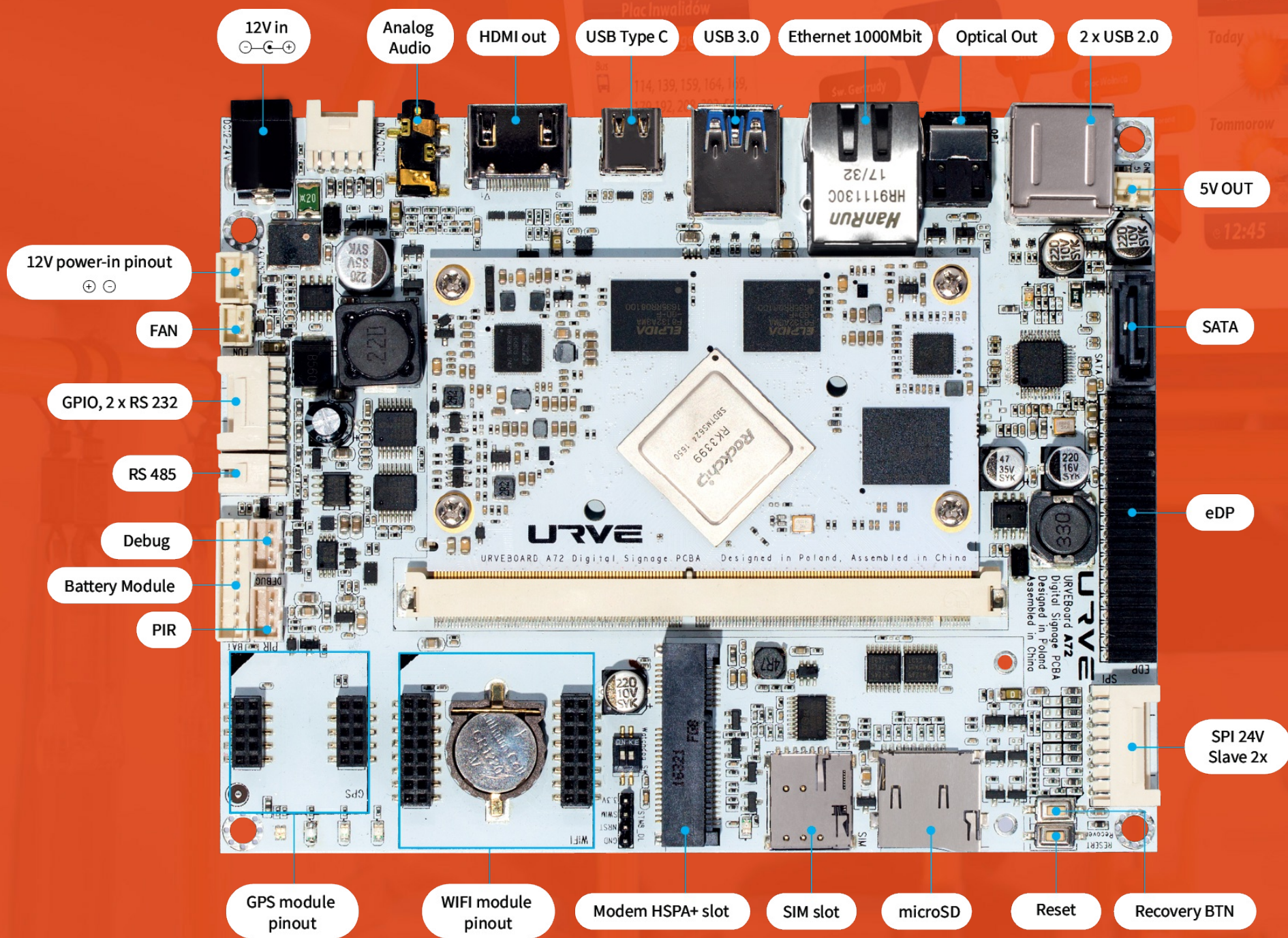
Designed for special tasks in **transport** and **industry**

- Public transport
- Vehicles
- Industry
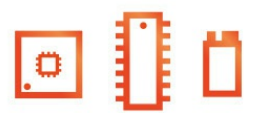- IoT
- POS devices
- Vending

Multiple platform

Compatibility

24/7/365
Reliability

Modularity

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Expand your URVE Board A72 with **additional modules**,
to gain unique possibilities.

Bluetooth and Wi-Fi	GPS	Modem HSPA+	Battery or solar panel

Specifications

CPU	CPU Clock speed Operating system	Cortex™-A72 2x1.8 GHz 4x1.4 Ghz (6-core) Android™ 6.0.1 / Linux Kernel 4.4.100
MEMORY	RAM SSD	2GB DDR3 8GB eMMC
I/O	I/O	1 x HDMI ® 2.0 (4K) 1 x HDMI ® 1.4 (1080p) on USB 3.0 Type-C output 2 x SPI 2 x RS232 1 x RS485 1 x Analog Audio 1 x S/PDIF Audio 1 x 1000 Mbit/s Ethernet RJ-45 1 x SATA 1 x USB 3.0 2 x USB 2.0 1 x eDP 6 x GPIO pinout 1 x Debug UART 1 x HSPA+ modem slot 2 x 12V power supply Operation in 9 - 36V range
ACCESSORIES	Watchdog Other	1 x Hardware Watchdog (electronic system) 1 x Software Watchdog (inside CPU) 1 x Built-in wall mount
ADAPTATION TO WORK CONDITIONS	Operating temperature range Relative humidity range Cooling system Vibration resistance	-10 º C ~ 45 º C (no condensation) 5% ~ 95% (no condensation) Passive Yes, no moving elements
DEVICE DIMENSIONS	Dimensions Weight	141 x 111 x 20 mm 120 g
CONTROL SOFTWARE	Content display	URVE multimedia software*
EXPANSION CAPABILITY	Additional modules	HSPA+ modem Bluetooth + WiFi with Access Point mode GPS Motion sensor 3.6V 120mA backup battery LVDS video output

* Additionally charged

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www.urve.co.uk