

HIGHLIGHTS

- PANEL PC WITH PIXTEND V2 L PLC
- LOW POWER, FAN-LESS
- LCD 10,1" 1280x800P, WIDE SCREEN
- MULTI TOUCH SCREEN
- RASPBERRY PI 3B+
- ARM CORTEX A53 / 4x1,4 GHZ
- METAL HOUSING STAINLESS STEEL
- CE-COMPLIANT
- FOR INDUSTRIAL APPLICATIONS



RPI-10 XTEND-L

Update: 07/2019

Hardware	Description
Type of device	The RPi-10 Xtend system contains a stainless steel sheet housing with integrated CPU Raspberry Pi 3B+; a 10,1" widescreen multitouch display; also the I/O-interface extension board "PiXtend v2-L®" by Qube Solutions representing a PLC for insertion in front panels, consoles, control cabinet doors or walls
Mainboard	CPU: ARM Cortex A53 / 4x 1,4 GHz Chipset: Broadcom BCM2387 WLAN: 802.11 b/g/n Bluetooth: Bluetooth 4.2 (Classic or LE) Ethernet: 10/100/300 Base T Ethernet socket
Interfaces external (bottom side)	Serial: 4x USB2.0 Network: 1x LAN 10/100Mbps Ethernet Audio: 1x Line out PLC board: Pi-Xtend L
Interfaces internal I/Os and interfaces PiXtend v2L	Type: Audio, HDMI, CSI Camera Interface 16x digital inputs 3,3 / 5 / 12 / 24V      12x digital outputs 5 / 12 / 24V 0,5A 6x PWM-/Servo outputs 16 bit      4x relays, max. 230V / 6A 4x analog voltage inputs 0...5V / 0...10V      2x analog power inputs 0...20mA 2x analog outputs 0...10V      1x RS232, 1x RS485, 1x CAN Real time clock - battery buffered Support of max. 4 DHT11 / DHT22 / AM2302 temperature- & air humidity sensors
Main memory	RAM: 1GB LPDDR2
Mass storage	Micro-SD: 16GB SDHC Class10
Display	LCD: 10,1"; 300cd/m²; 1280x800 pixel, contrast 1300:1
Touch screen	Type: Multitouch (max. 10 fingers)
Power input	Input voltages: 12 - 24VDC (max. 30V)

Software	Description
Operation system	Raspbian, CODESYS, LINUX, FHEM, Phytion, Node-RED and OpenPLC

Mechanics	Dimensions: W x H x D
Housing Front panel outbreak Mounting	Standard : 269,5 x 192,5 x 76,6 mm; 259 x 182 mm +/- 1mm Clamps for fixation in panels, switch cabinet doors or wall-mounting
Weight	ca. 1,6 kg

Options	
Newest Paspberry Pi version	RPi 4 as soon as deliverable