Item no.: 384125
BPI-6202 - Banana pi

from **112,82 EUR**

Item no.: 384125
shipping weight: 0.30 kg
Manufacturer: BPI

📄 Product Description

BPI-6202 embedded single board industrial computer, equipped with 2 independent MAC Ethernet ports (1G+100M), 2 RS485+1 RS232 ports, HDMI/USB, can be installed with large capacity SDD hard disk, powerful and cost-effective, small size, easy guide rail installation, provides the most cost-effective on-site industrial control solution. As the master control node of edge computing, CS6202 utilises the powerful functions of the embedded multi-core computer, which can access, process and display a large amount of on-site data; replace the traditional gateway + small monitoring system to achieve an optimal solution.BPI-6202 also supports expansion board ,The expansion port adopts 2.54mm pitch, 2x10P row pin seat, which is used to expand 10 interfaces.The BPI-6202 supports modular design, provides abundant expansion interfaces, and can use the base unit + 5 expansion units to support on-demand configuration. The modules of the extended IO unit include:- 7 x RS485 module with isolation- 16 x DI module (switching input module), passive input (up to 5 modules can be mixed)- 16 x DO module (switching output module), relay output (up to 5 modules can be mixed)- 8 x DI+8 x DO O module (switching input/output module), relay output (up to 5 modules can be mixed)- 8 x AI + 4 x AO module (analogue input/output module), Support 0-5V, 0-20mA input- Customised Lora, ZigBee, 433M wireless transmission modules, powerline carrier modules and other function modules,- The function board can be customised by third parties and can communicate with BPI-6202All boards are connected via the internal bus (485 or SPI) in the box- CPU and OS Allwinner A40I ARM Cortex-A7 quad cord 1.2GHz?Ubuntu/Mate- Memory 2GB DDR3?8GB EMMC ?support SSD hard disc- Memory 8GB EMMC ?support SSD hard disc- Communication function Ethernet port: 1 x 1000M + 1 x 100M, independent MAC, 2 x RS485 with isolation + 1 x RS232 Consoel with isolation, 4G/5G full Netcom + WiFi- Advanced function module Horizontal expansion capability is reserved, and the expansion of various function modules can be customised. The first level includes: RS485: with isolation; DI: passive input type, the module provides 24V isolated power supply; ?DO: relay output type, NC, COM, NO node; AI: 0-5V/4-20mA, 2-wire/3-wire input, the board provides 24V isolated power supply; ?AO: 0-5V/4-20mA, 2-wire/3-wire output, external 24V isolated power supply; AI + AO: 0-5V/4-20mA, 2-wire/3-wire input/output. The power supply is the same as above; other customised modules- HDMI HDMI1.4, supports 1080p@60fps ; USB supports keyboard, mouse; or resistive/capacitive display interface- Data processing capability Device access capability: <=128 units (adjustable according to bandwidth and sampling period); analogue value<10000; digital value<10000; control value<10000; expression calculation definition, alarm processing- Video processing capability Video RTSP/RTMP, Onvif, GB28181; Video recording and playback; data trigger clip video recording and upload; video AI event return and linking, data OSD encoding; local streaming service; H.264/H.265 playback- SCADA function Full-featured SCADA system, processing points: 2048 points, C/S or B/S mode- Development environment Secondary edge computing development environment such as C/printout/contact map/Java/Python- Encryption chip Encryption chip for software licence authorisation (SMEC98SP); special encryption chip for state-grid communication (SC1161Y)- Power supply DC?24V

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability