

Item no.: 387736

IOPAC 8600-CPU30-M12-C-T - Rugged controller, 1 GHz CPU, 2-port M12 Ethernet, CC, -40 to 75C operating temp

from **1.140,50 EUR**

Item no.: 387736
shipping weight: 0.20 kg
Manufacturer: MOXA



Product Description

Rugged controller, 1 GHz CPU, 2-port M12 Ethernet, C/C++, -40 to 75°C operating temperature
ComputerCPU- 32-bit Cortex-A8 1 GHz CPU
OS- Real-time Linux (PREEMPT_RT)
Clock- Real-time clock with capacitor backup
MemoryMMC- 4 GB (1.7 GB reserved for user) for HW Rev. 1.0.1- 8 GB (5.2 GB reserved for user) for HW Rev. 1.1.0
SDRAM- 512 MB
SPI-NVRAM- 128 KB
microSD Slot- Up to 32 GB (SD 2.0 compatible)
Control LogicLanguage- C/C++
Ethernet Interface10/100BaseT(X) Ports (M12 D-coded 4-pin female connector)- M12 version: 2, 1 MAC address (Ethernet bypass) or 2 MAC addresses, jumper selectable
Magnetic Isolation Protection- 1.5 kV (built-in)
Ethernet Software FeaturesConfiguration Options- vIndustrial Protocols- Modbus TCP Client (Master)- Modbus TCP Server (Slave)- Moxa AOPC (Active Tag)- SNMPv1/v2c Trap- SNMPv1/v2c/v3
Management- BOOTP- IPv4- SMTP- UDP
Security- SSH
Time Management- SNTP
Security FunctionsAuthentication- Local database
Encryption- AES-256- HMAC- RSA-1024- SHA-1- SHA-256
Security Protocols- SNMPv3- SSHv2
Serial InterfaceConsole Port- RS-232 (TxD, RxD, GND), 3-pin (115200, n, 8, 1)
Modbus RTU/ASCIIFunctions Supported- 1, 2, 3, 4, 5, 6, 15, 16
Mode- Master, Slave
Modbus TCPFunctions Supported- 1, 2, 3, 4, 5, 6, 15, 16
Mode- Master, Slave
Power ParametersPower Consumption- 223 mA @ 24 VDC
Physical CharacteristicsHousing- Metal
Weight- 181 g (0.40 lb)
Environmental LimitsOperating Temperature- -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)- -40 to 85°C (-40 to 185°F)
Ambient Relative Humidity- 5 to 95% (non-condensing)
Altitude- 2000 m
Standards and CertificationsEMC- EN 55032/35EN 61000-6-2/-6-4
EMI- CISPR 32, FCC Part 15B Class A
EMS- IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV- IEC 61000-4-3 RS: 5100 MHz to 6000 MHz: 3 V/m- IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV- IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV- IEC 61000-4-6 CS: 10 V- IEC 61000-4-8 PFM
Railway- EN 50121-4- EN 50155
Safety- UL 508
Shock- IEC 60068-2-27
Vibration- IEC 60068-2-6
MTBFTime- ioPAC 8600-CPU30 models (HW Rev 1.0.1): 1,358,656 hrs- ioPAC 8600-CPU30 models (HW Rev 1.1.0): 1,273,872 hrs- ioPAC 8600-PW10-15W-T: 1,752,960 hrs- ioPAC 8600-PW10-30W-T: 1,341,777 hrs- ioPAC 8600-BM005-T: 2,678,587 hrs- ioPAC 8600-BM009-T: 1,350,621 hrs- ioPAC 8600-BM012-T: 1,238,479 hrs
Standards- Telcordia SR332

Specifications

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