

Tehničke karakteristike proizvoda

Karakteristike

BMXP3420102

procesor M340 - maksimalno 1024 digitalnih +
256 analognih I/O



Osnovne informacije

Grupa proizvoda	Modicon M340 platforma za automatizaciju
Tip proizvoda ili komponente	Modul procesora
Broj rekova	4
Broj slotova	11
Broj podržanih digitalnih i/o	1024 I/O multi-rack configuration 704 I/O single-rack configuration
Analogni i/o kapacitet procesora	256 I/O multi-rack configuration 66 I/O single-rack configuration
Broj posebnih kanala za aplikacije	36
Nadzor	Diagnostic counters Modbus Event counters Modbus

Dopunske informacije

Upravljački kanali	Programabilne petlje
Kontrola kretanja	Independent axis CANopen
Integrirani načini povezivanja	Non isolated serial link RJ45 character mode, transmission mode: asynchronous in baseband, RS232C, transmission mode: 2 twisted shielded pairs at 0.3...19.2 kbit/s full duplex Non isolated serial link RJ45 character mode, transmission mode: asynchronous in baseband, RS485, transmission mode: 1 twisted shielded pair at 0.3...19.2 kbit/s half duplex Non isolated serial link RJ45, master/slave Modbus, RTU/ASCII, transmission mode: asynchronous in baseband, RS232C, transmission mode: 1 twisted shielded pair at 0.3...19.2 kbit/s half duplex Non isolated serial link RJ45, master/slave Modbus, RTU/ASCII, transmission mode: asynchronous in baseband, RS485, transmission mode: 1 twisted shielded pair at 0.3...19.2 kbit/s half duplex USB port at 12 Mbit/s CANopen master bus SUB-D 9, transmission mode: 2 twisted shielded pairs at 20 kbit/s...1 Mbit/s
Komunikacioni procesor	2 Ethernet communication module 4 AS-Interface module
Embedded communication service	Network management (NMT) CANopen Process Data Object (PDO) CANopen Service Data Object (SDO) CANopen Special functions (SYNC, EMCY, TIME) CANopen
Brzina prenosa	1 Mbit/s 0...20 m 0...0.6 m 125 kbit/s 0...500 m 0...10 m 20 kbit/s 0...2500 m 0...300 m 250 kbit/s 0...250 m 0...10 m 50 kbit/s 0...1000 m 0...120 m 500 kbit/s 0...100 m 0...10 m 800 kbit/s 0...40 m 0...6 m
Tip magistrale	CANopen M20 DS 301 V4.02 devices linked by daisy-chaining or tap junctions CSMA/CA CANopen M20 DS 303-2 devices linked by daisy-chaining or tap junctions CSMA/CA CANopen M20 DS 405 devices linked by daisy-chaining or tap junctions CSMA/CA
Broj slave uređaja	63 CANopen

Broj uređaja po segmentu	0...32 (character mode) 0...32 (Modbus) 0...16 for <205 m (CANopen) 0...32 for <185 m (CANopen) 0...64 for <160 m (CANopen)
Broj uređaja	2 point-to-point character mode 2 point-to-point Modbus
Dužina magistrale	0...10 M serial link non isolated character mode segment 0...10 M serial link non isolated Modbus segment 0...1000 M serial link isolated character mode segment 0...1000 M serial link isolated Modbus segment 0...15 M character mode point-to-point 0...15 m Modbus point-to-point
Maksimalna dužina otepa	<15 M serial link non isolated character mode segment <15 M serial link non isolated Modbus segment <40 M serial link isolated character mode segment <40 m serial link isolated Modbus segment
Broj adresa	0...248 for character mode 0...248 for Modbus
Zahtevi	1 K data bytes per request character mode 252 data bytes per RTU request Modbus 504 data bytes per ASCII request Modbus
Upravljački parametri	One CRC on each frame (RTU) Modbus One LRC on each frame (ASCII) character mode One LRC on each frame (ASCII) Modbus
Opis memorije	Supplied memory card (BMXRMS008MP) backup of programs, constants, symbols and data Internal RAM 4096 kB Internal RAM 256 kB data Internal RAM 3584 kB program constants and symbols
Maksimalna veličina podataka	256 kB unlocated internal data 32634 %Mi located internal bits
Podrazumevana veličina podataka	1024 %MWi internal words located internal data 256 %KWi constant words located internal data 512 %Mi located internal bits
Struktura aplikacije	Bez pomoćnog zadatka 1 ciklični/periodični master zadatak 1 periodični brzi zadatak 64 event zadatak
Vreme izvršenja po instrukciji	0.12 µs Boolean 0.17 µs double-length words 0.25 µs single-length words 1.16 µs floating points
Broj instrukcija po ms	6.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic 8.1 Kinst/ms 100 % Boolean
Vreme izvršavanja operacija	0.13 Ms for fast task 0.7 ms for master task
Potrošnja struje	90 mA at 24 V DC
Napajanje	Interno napajanje putem reka
Označavanje	CE
Statusne led lampice	1 LED (green)integrated machine/installation bus operational (CAN RUN) 1 LED (green)processor running (RUN) 1 LED (red)I/O module fault (I/O) 1 LED (red)integrated machine/installation bus fault (CAN ERR) 1 LED (red)memory card fault (CARD ERR) 1 LED (red)processor or system fault (ERR) 1 LED (yellow)activity on Modbus (SER COM)
Masa proizvoda	0,21 kg

Okruženje

Temperatura okoline za rad uređaja	0...60 °C
Relativna vlažnost	10...95 % without condensation
Ip stepen zaštite	IP20
Tretman zaštite	TC
Direktive	2014/35/EU - niskonaponska direktiva 2014/30/EU - elektromagnetna kompatibilnost 2012/19/EU - WEEE direktiva

Sertifikacije proizvoda	CE UL CSA RCM EAC Merchant Navy
Standardi	EN 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 EN/IEC 61000-6-5, interface type 1 and type 2 EN/IEC 61850-3, location G
Karakteristike okruženja	Hazardous location class I division 2

Pakovanje

Tip jedinice pakovanja 1	PCE
Broj jedinica u pakovanju 1	1
Pakovanje 1 težina	252 g
Pakovanje 1 visina	5,5 cm
Pakovanje 1 širina	11 cm
Pakovanje 1 dužina	11,5 cm
Pakovanje 2 težina	4,206 kg

Održivost ponude

Status održive ponude	Green Premium proizvod
Propis REACh	 REACh Deklaracija
REACh bez SVHC	Da
EU RoHS direktiva	Proaktivna usaglašenost (proizvod nije u zakonskom okviru direktive EU RoHS)  EU RoHS deklaracija
Bez žive	Da
Informacije o RoHS izuzecima	 Da
RoHS regulativa za Kinu	 RoHS Deklaracija Za Kinu
Izjava o zaštiti okoliša	 Profil Ekološke Prihvatljivosti Proizvoda
Profil cirkularnosti	 Informacije O Kraju Radnog Veka
WEEE	Ovaj proizvod je na tržištima Evropske unije neophodno odložiti u skladu sa specifičnim smernicama za prikupljanje otpada i nikako ne sme da dospe u kontejnere za otpatke.

Ugovorna garancija

Garancija	18 meseci
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