



## Tehničke specifikacije

Physical Features	
Dimension(W×H×D)	137×80×62mm
Power Dissipation	7W
Memory Features	
Program Memory	48KB,24KB for common users , 24KB for encrypted users
Data Memory	10KB , Can be extended to 110KB
Ultra capacitor	112hours
External battery	200hours
General Features	
Timers in total	256
1ms	4
10ms	16
100ms	236
Counters in total	256(ultra capacitor backup)
Internal Memory Bits	256(ultra capacitor backup)
Power-failure retention of internal memory	112 ( EEPROM backup )
Time interrupts	2×1ms resolution
Edge interrupts	4 rising edges/ falling edges
Simulation potentiometer	Double 8 bit resolution
Boolean execution speed	0.15μs
Float execution speed	8μs
Runtime clock	built-in
Power Supply	
+5V	660mA
24V	280mA
Integrated Communication Features	
Communication ports	2 (DB9 port) ; POTT0:PPI/Freeport, RS485

	POTT1:PPI/Freeport, RS485
PPI Baud Rate	9.6, 19.2kbps and 187.5kbps
Baud Rate of Freeport	1.2k to 115.2kbps
Maximum cable length per segment	
Isolated repeater applied	When it is 1200 m, 38.4k.
Isolated repeater unapplied	50m
Maximum number of stations	32 stations per segment,126stations per network
Maximum number of masters	32
Point to point (PPI Mater Mode)	8 , 2 reserves
Power Function ( CANopen )	
Communication interface	1 ( 4 hole terminals )
I/O Features	
Number of integrated Digital inputs	14
Input type	Sink/Source
Digital output points	10
Output type	Solid-MOSFET(Source)
Digital I/O mapping area	256 (128Input/128Output )
Analog I/O mapping area	64(32Input/32Output)
Maximum number of expandable I/O modules	7
Pulse catch inputs	14
High-speed counters	
Amount	2 ( HSC0 and HSC1 )
Single phase counters	2×30KHZ
wo phase counter	2×20KHZ
Digital Input Features	
Integrated Digital Input	14
Input type	Sink/Source
Rated Voltage	24V DC
Maximum continuous permissible voltage	30V DC
Logical 1 Signal (minimum)	18 VDC , 2.5mA
Logical 0 Signal (Maximum )	5 VDC , 1mA
Isolation( field side and logical circuit)	
Optical isolation(Galvanic)	500V AC , 1 minute
Isolation group	

Simultaneous Inputs	14
Maximum cable length	
Shielded	500 m(standard input)、 50m(high-speed counter input)
Unshielded	300 m( standard input)
Digital Output Features	
Number of integrated digital output	10
Output type	Solid-MOSFET(Source)
Maximum rated current of each output	0.75A
Surge Current	8A , 100 millisecond
Lamp load(Max)	5W
On- state resistance	0.3 ohm , Max: 0.6 ohm
High-speed pulse output	2×50KHZ Support MC_PTP_R/MC_SPEED_CTRL etc. of CPU, do not support
Simultaneous output	10
Two parallel outputs	only when the two outputs are in the same group
Maximum cable length	
Shielded	500m(standard output)
Unshielded	150m(standard output)

## Šema spajanja

### Definicija komunikacionog porta

Connector	PIN	PORT1 ( RS485)	PORT0(RS485)
	1	Shell grounded	Shell grounded
	2	Logical	Logical
	3	RS-485 Signal B	RS-485 Signal B
	4	RTS(TTL)	RTS(TTL)
	5	Logical	Logical
	6	+5V , 100 $\Omega$ resistances in series	+5V , 100 $\Omega$ resistances in series
	7	+24V	+24V
	8	RS-485 Signal A	RS-485 Signal A
	9	/	/
	Shell	Shell grounded	Shell grounded

Connector	PIN	Signal Description
	1	Shielding
	2	CAN_H
	3	CAN_L
	4	Termination resistors

Notice:

- 1、 Grounding is optional;
- 2、 Either electrode is acceptable.