

Dimenzije



Šema povezivanja

1.CTS7 112-1AD20-0X14



2.CTS7 112-1BD20-0X14


Komunikacioni port pinout

|  |  |  |
| --- | --- | --- |
| Konektor | PIN | PORT0(RS485) |
| 2014070310362263.jpg | 1 | Shell grounded |
| 2 | Logical |
| 3 | RS-485 Signal B |
| 4 | RTS(TTL) |
| 5 | Logical |
| 6 | +5V，100Ω resistances in series |
| 7 | +24V |
| 8 | RS-485 Signal A |
| 9 | / |
| Shell | Shell grounded |

Performance Parameters

|  |
| --- |
| Physical Features |
| Dimension(W×H×D) | 90×80×62mm |
| Power Dissipation | 5W |
| Memory Features |
| Program Memory | 6KB，4K for common users，2K for encrypted users |
| Data Memory | 2KB |
| Power-failure retention power | button battery |
| General Features |
| Timers in total      1ms      10ms      100ms | 128（T0-T127）4 16108 |
| Counters in total | 128(button battery) |
| Internal Memory Bits | 128(button battery) |
| Power-failure retention of internal memory | 112 |
| Time interrupts | 2×1ms Resolution |
| Edge interrupts | 4 rising edges/ falling edges |
| Boolean execution speed | 0.5µs |
| Float execution speed | 16µs |
| Runtime clock | √ |
| Integrated Communication Function |
| Communication Port | PORT0：RS485 |
| PPI Baud Rate | 9.6, 19.2kbps |
| Maximum cable length per segmentIsolated repeater appliedIsolated repeater unapplied | 　When it is 1200 m, 38.4k.50 m |
| Maximum number of stations | 4 stations per segment,32 stations per network |
| Maximum number of masters | 16 |
| Point to point (PPI  Mater Mode) | × |
| Power Function |
| Input Voltage | 20.4 to 28.8 VDC ， with anti- reverse connection protection |
| +5V power for the extended bus | × |
| 24 VDC Sensor Power supply | × |
| I/O Features |
| Number of integrated Digital inputs | 8 |
| Input type | Sink/Source |
| Number of integrated Digital outputs | 6 |
| Output type | Solid-MOSFET(Source) |
| Digital I/O mapping area | 128(64 inputs/64 outputs) |
| Analog I/O mapping area | 32(16 inputs/16 outputs) |
| Maximum number of expandable I/O modules | 0 |
| Maximum number of digital I/O | 14 |
| Maximum number of  analog I/O | 0 |
| Pulse catch inputs | 8 |
| High-speed countersSingle phase counters | 　4×50KHz，support HSC0、HSC3、HSC4、HSC5，do not support HSC1and HSC2 |
| Digital Input Features |
| Number of integrated digital input | 8 |
| Input type | Sink/Source |
| Rated voltage | 24V DC |
| Maximum continuous permissible voltage | 30V DC |
| Logical 1 Signal (minimum)Logical  0 Signal (Maximum ) | 14 VDC，2.5mA5 VDC，1mA |
| Isolation( field side  and logical circuit)Optical isolation(Galvanic)Isolation group | √500V AC，1 minuterefer to the Terminal Identification |
| Simultaneous Inputs | 8 |
| Maximum cable lengthShieldedUnshielded |   500 m(standard input)、50m(high-speed counter input)300 m( standard input) |
| Digital Output Features |
| Number of integrated digital output | 6 |
| Output type | Solid-MOSFET(Source) |
| Maximum rated current of each outputSurge Current | 0.75A8A，100 millisecond |
| Lamp load(Max) | 5W |
| On- state resistance | 0.3 ohm , (Max :0.6 ohm ) |
| High-speed pulse output | 2×50KHz，Q0.0 and Q0.1， directionless output; Support MC\_PTP\_R/MC\_SPEED\_CTRL etc. of CPU, do not support PTO/PWM of programming software |
| Simultaneous output | 6 |
| Two parallel outputs  | only when the two outputs are in the same group |
| Maximum cable lengthShieldedUnshielded |  500m(standard output)150m(standard output) |

**Performance Parameters**

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| --- |
| Physical Features |
| Dimension(W×H×D) | 90×80×62mm |
| Power dissipation | 7W |
| Memory Features |
| Program memory | 6KB，4K for common users，2K for encrypted users |
| Data memory | 2KB |
| Power-failure retention power | button battery |
| General Features |
| Timers in total      1ms      10ms      100ms | 128（T0-T127）416108 |
| Counters in Total | 128(button battery) |
| Internal memory bit | 128( button battery) |
| Power-failure retention of internal memory | 112 |
| Time interrupts | 2×1ms resolution |
| Edge interrupts | 4 rising edges/ falling edges |
| Boolean execution speed | 0.5µs |
| Float execution speed | 16µs |
| Runtime clock | √ |
| Integrated Communication Function |
| Communication port | PORT0：RS485 |
| PPI Baud Rate | 9.6, 19.2kbps |
| Maximum cable length per segmentIsolated repeater appliedIsolated repeater unapplied | 　When it is 1200 m, 38.4k.50m |
| Maximum number of stations | 4 stations per segment,32 stations per network |
| Maximum number of masters | 16 |
| Point to point (PPI  Mater Mode) | × |
| Power Function |
| Input Voltage | 85-264VAC(47-63HZ) |
| +5V power for the extended bus | × |
| 24 VDC Sensor Power supply | 240 mA |
| I/O Features |
| Number of integrated Digital inputs | 8 |
| Input type | Sink/Source |
| Number of integrated Digital outputs | 6 |
| Output type | Relay, dry contact |
| Digital I/O mapping area | 128(64 inputs/64 outputs) |
| Analog I/O mapping area | 32(16 inputs/16 outputs) |
| Maximum number of expandable I/O modules | 0 |
| Maximum number of digital I/O |  14 |
| Maximum number of  analog I/O |  0 |
| Pulse Catch inputs | 8 |
| High-speed countersSingle phase counters | 　4×50KHz，support HSC0、HSC3、HSC4、HSC5, do not support HSC1 and HSC2 |
| Digital Input Features |
| Number of integrated digital input | 8 |
| Input type | Sink/Source |
| Rated voltage | 24V DC |
| Maximum continuous permissible voltage | 30V DC |
| Logical 1 Signal (minimum)Logical  0 Signal (Maximum ) | 14 VDC，2.5mA5 VDC，1mA |
| Isolation( field side  and logical circuit)Optical isolation(Galvanic)Isolation group | √ 500V AC，1 minuterefer to the Terminal Identification |
| Simultaneous Inputs | 8 |
| Maximum cable lengthShieldedUnshielded |  500 m(standard input)、50m(high-speed counter input)300 m( standard input) |
| Digital Output Features |
| Number of integrated digital output | 6 |
| Output type | Relay, dry contact |
| Maximum rated current of each outputSurge Current | 2A5A，4S@10% duty ratio |
| Lamp load(Max) | 30 WDC/200WAC |
| On- state resistance | 0.2 ohm |
| Simultaneous output | 6 |
| Two parallel outputs | × |
| Maximum cable lengthShieldedUnshielded |  500m(standard output)150m(standard output) |