WDT-01/02

Intelligent Watchdog Timer Card

Advance Watchdog Timer & Monitoring System





Watchdog timer:

Software programmable from 0.01 second to 167772.15 seconds

Temperature monitor:

 Temperature: 0°C~75°C;
 Presision: ±1°C; onboard 2 digital LED display; Warning temperature

- Setting: 50°C, 60°C, 70°C or none

Computer power monitor

PC Power +5V, External Power +12V

RS-232 output:

Speed: 9600, 4800, 2400 or 1200 bps

- transmit message includes: Watchdog timer state, Temperature status, Current Temperature scale, External & PC power state...etc.

Power required:

1. External power: +12V, 3W or 2. Internal power: +12V, 3W

Printer-like I/O interface:

LPT0(360h), LPT1(378h), LPT2(278h) or User Define, only need 3 I/O ports

Output Signals:

Signal/Function	WDT timeout	Over Temperature	Power faiture
Reset	Yes		
IRQ	Yes	Yes	
I/O status	Yes	Yes	Yes
RELAY	Yes	Yes	
TTL	Yes	Yes	
LED	Yes	Yes	Yes
ES232	Yes	Yes	Yes
Buzzer	Yes	Yes	Yes

WDT <=> Watchdog Power failure LED display only terminal board

IRQ: 3, 4, 5, 6, 7, 9, 10, 11, 12, 14, 15
4 Bit TTL outputs: logic high: 2.4VDC min, source 400μA logic low: 0.5VDC max, sink-10mA

Two Realy for watchdog or temperature failure:

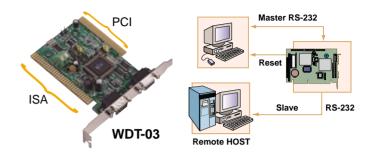
Contacts: FORM C

Max switched current: 1A 30V/DC Max switched voltage: 120V AC/60VDC Max carry current: 1.25A, AC/DC

ORDERING INFORMATION

■ WDT-01 Intelligent Watchdog Timer card with terminal board and 1 meter cable

WDT-02 Intelligent Watchdog Timer card without terminal board, cable, buzzer, relay, LED, temperature



Function	WDT-01	WDT-02	WDT-03
Software driver	Yes	Yes	Yes
On-board 7-seg LED	Yes	No	No
Temperture sensor	Yes	No	Yes
Fan Mornitoring	No	No	Yes
Bus Voltage mornitoring	No	No	Yes
On-board buzzer	Yes	No	No
Relay output for WDT ala	Yes	No	No
Relay output for Temp. ala	Yes	No	No
Terminal board	Yes	Yes	No
Interface	ISA	ISA	ISA/PCI
Others			4x Mounting hole for embedded design

SPECIFICATIONS (WDT-03)

Advance WDT system

Without modify user's application program

Bus free for PCI bus, ISA bus or any bus

Harsh environment warning before system crash

Cost effective total solution

Dos/Windows/Linux driver support

OEM/ODM acceptable

Watchdog timer: -Software enable/disable watchdog timer -Form 0.01 second to 167772.15 seconds

■ Bus Voltage monitoring: 3.3V, 5V, 12V, -5V, -12V

Fan Speed monitoring: 3 channels Temperature monitoring: 3 channels

■ EEPROM: -63 bytes for user read/write

-read/write cysles: 100,000 times Interface: -RS-232 *1 for local CPU

-RS-232* 1 for remote HOST (monitor the local CPU)

RS-232: –Baud rate: 2400~115.2K programmable

-Data format: N81

-Command format: 7000 family compatible

■ Reset Mechanism: —Power good signal for PC system Reset signal to simulate external reset-key pressed

Mounting: -ISA/PCI bus for PC

-Four through-hole mounting for any system

Dimensions: 140mm x 70mm Power Consumption: 2W

Operating Temperature: 0°~60°C Storage Temperature: -20°~75°C

■ **Software:** —Auto monitoring utility for windows -Support Dos/Windows/Linux driver



■ WDT-03 Advance WDT system PCI/ISA interface