



SPECIFICATIONS (WDT-01/02)

- **Watchdog timer:**
Software programmable from 0.01 second to 167772.15 seconds
- **Temperature monitor:**
 - Temperature: 0°C~75°C;
 - Precision: ±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 failure
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 sensor

Function	WDT-01	WDT-02	WDT-03
Software driver	Yes	Yes	Yes
On-board 7-seg LED	Yes	No	No
Temperature sensor	Yes	No	Yes
Fan Monitoring	No	No	Yes
Bus Voltage monitoring	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 cycles: 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

ORDERING INFORMATION

- **WDT-03** Advance WDT system PCI/ISA interface