Ultra-Rugged Industrial Micro PC

Features

- Small, Compact and Rugged
- Fanless Design with Transmeta 733MHz/1GHz processor
- 2 PCMCIA slots for expansion
- WinCE.net / CFD / Optional HDD kit
- Ethernet /2 COM / 4 USB / Audio
- Operating Temperature:-15~70 degree C
- Anti-vibration up to 6 g rms / Anti-shock up to 100g
- CE / FCC class B certified
- OS Installed, Factory Inspected and Tested

Ultra-Rugged Industrial PC

The Ultra-Rugged Industrial PC (URIPC) is designed for high vibration and harsh environments. This is a high-performance model equipped with a 1GHz processor. It is superior to all "Fan-Less" products in the current market. The ISURPC has withstood tough vibration testing up to 6 G's RMS. Even with the anti-vibration hard drive device option, it can be used in tough, high vibration environments .

Two PCMCIA slots provide excellent expandability for mobile devices. These slots provide an ideal interface for wireless applications which need to communicate with a control center for vessle data recording and transportation system logistics. The ISURPC supports 9~30V DC power input , making it suitable for most vessles. This low power consumption system operates without a fan in ambient temperatures ranging from -15° to 70°C. It also passed critical EMC certifications for CE and FCC class B.

The compact size of the ISURPC offers the end user more flexibility and alternatives for system integration and arrangement. The system supports various operating systems such as Windows CE.NET 4.2, Windows XP Embedded and the normal Windows family.

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Specifications

System	URIPC-2	URIPC-1
CPU	Transmeta Crusoe TM5800 1GHz Processor	
System Memory	Onboard 64MB SDRAM, 144-pin SDRAM SODIMM x 1, Max. 512MB (PC 66/100/133MHz)	
Expansion	PCMCIA x 2	N/A
VGA / Keyboard / Mouse	DB-15 VGA Connector, PS/2 Keyboard & Mouse	
Ethernet	10/100Base-T RJ-45 connector x 1	
SSD	Type II CompactFlash slot x 1	
Hard Disk Storage	Optional 2.5" Slim HDD Module	
Serial Port	RS-232 x 1, RS-232/422/485 x 1	RS-232 x 3, RS-232/422/485 x 1
Audio	Mic In / Line In / Line Out , by extension cable	
USB	4 USB 1.1 ports	
TV Out	N/A	S-Video and RCA output
Parallel Port	Parallel port x 1	N/A
Watchdog Timer	Generate a time-out system reset, setting via software	
Power Supply	• DC Input¡X Internal DC-DC Converter(Standard) Output rating: 30W Input voltage: 9V DC ~ 30V DC Output voltage: +5V@6A • AC Input¡X External Power Adapter (Optional) Output rating: 36W Input voltage: 100V AC ~ 240V AC @ 50 ~ 60Hz Output voltage: +12V@3A	
System Control	Power on / off switch x 1	
Indicator	Reset button x 1 Power LED x 1	
	HDD active LED x 1	
Mechanical and Environmental		
Construction	Rugged Aluminum Alloy chassis	
Color	Dark Blue	
Mounting	Wall-mount (Default), Din Rail	
Dimension	8.35" (W) x 2.53" (H) x 4.21" (D) (212.15mm x 64.2 mm x 107mm)	
Net Weight	4.75lb (2.16kg)	
Gross Weight	8.36lb (3.8kg)	
Operation Temperature	5ºF ~ 158ºF (-15ºC ~ 70ºC) (CFD) 32ºF ~ 122ºF (0ºC ~ 50ºC) (HDD)	
Operation Humidity	5~95%@40C, non-condensing	
Vibration	6 grms/5~500Hz/random operation(CFD) 1g / 5 ~ 500Hz / random operation(HDD)	with HDD module 1 grms/5~500Hz/random operation w/o HDD module 2 grms/5~500Hz/random operation
Shock	100 g peak acceleration (11 msec. duration) 15 g peak acceleration (11 msec. duration) (HDD)	15 g peak acceleration (11 msec. duration)
EMC	CE/FCC class B	
Software	Windows CE .net 4.2, Windows XP Embedded, Windows XP/2000	

Ordering Information

URIPC-1   Ultra-Rugged Industrial PC: Fanless Embedded control PC with Transmeta TM5800 iGHz CPU, RS-232 x 3, RS-232/422/485 x 1

URIPC-2   Ultra-Rugged Industrial PC: Fanless Embedded control PC with Transmeta TM5800 1GHz CPU, PCMCIA x 2, RS-232 x 1, RS-232/422/485 x 1

OPTIONS   **ACA** = AC Adapter
DRA = DIN Rail Adapter