

HT2000

Fanless Panel PC based on Intel® Cedar Trail platform



The fanless HT2000 Panel PC family is based on Intel® Cedar Trail platform with 1,86 GHz dual core D2550 third generation Atom processor. The all-in-one motherboard features four rear access USB 2.0 ports, two 10/100/1000 Mbps Ethernet ports with "Jumbo Frame" and "Wake on Lan" support, one serial RS232 interface, one rear external access CFast SATA II slot and

RAM configuration up to 4 GB DDR3 SODIMM. HT2000 family is available with 10.4", 12.1" and 15" in 4:3 aspect ratio, 17" and 19" in 5:4 aspect ratio, 15.6", 18.5" and 21.5" in 16:9 Wide aspect ratio 16 million color TFT LED Backlight LCDs and aluminium (HT) or aluminium True Flat (HT-TF) with 5 wires resistive touchscreen front panels with one USB port.

The versions with 15.6", 18.5" and 21.5" Wide LCDs are also available with Aluminium True Flat front panels with glass projected capacitive Multitouch-screen (HT-TFM). Panels with 12.1", 15", 17" and 19" LCDs are also available with Stainless Steel True Flat front panels (HT-TFX).



Highlights

→ Fanless Panel PC with 0-50 °C operating temperature

→ Intel® Cedar Trail platform and 1,86 GHz D2550 dual core processor

→ 10.4", 12.1" and 15" in 4:3 aspect ratio, 17" and 19" in 5:4 aspect ratio, 15.6", 18.5" and 21.5" in 16:9 Wide aspect ratio TFT LCDs

→ Built-in UPS with external battery pack (optional)

→ 1 PCI or 1 PCIe x1 expansion slot (S1 version)

→ IP66 front protection degree

→ CE, cULus LISTED (508) certification

Gallery



Technical data

	HT2000	HT2000-TF	HT2000-TFX	HT2000-TFM
LED backlight TFT LCD	10.4" - 800x600 12.1" - 800x600 12.1" - 1024x768 15.0" - 1024x768 15.6" - 1366x768 17" - 1280x1024 18.5" - 1366x768 19" - 1280x1024 21.5" - 1920x1080		12.1" - 800x600 12.1" - 1024x768 15.0" - 1024x768 17" - 1280x1024 19" - 1280x1024	15.6" - 1366x768 18.5" - 1366x768 21.5"- 1920x1080
TOUCHSCREEN	Resistive 5 wires	Resistive 5 wires	Resistive 5 wires	P-CAP Multitouch, 4 fingers
	GFG (optional)			
FRONT PANEL	Aluminium	True Flat Aluminium	True Flat Stainless Steel	True Flat Aluminium
PROTECTION GRADE	IP66 - front			
PROCESSOR	Intel® Atom™ D2550 1,86 GHz, 2 cores / 4 threads, 1MB L2 cache, soldered			
CHIPSET	Intel® NM10			
VIDEO CONTROLLER	GMA3650 Integrated in Intel® Atom™ microprocessor, 640MHz, LVDS 8bit/color digital interface			
SYSTEM MEMORY - RAM	1GB or 2GB or 4GB (1 x SODIMM DDR3 module)			
MASS STORAGE	1 bootable CFast embedded on board with external access			
	1 x SSD 2,5" or 1 x HDD 2,5" SATA II			
LAN	2 x LAN 10/100/1000Mbps (2 x Intel® 82574L)			
USB	4 x USB 2.0 (Type-A, rear)	4 x USB 2.0 (Type-A, rear)		
	1 x USB 2.0 (Type-A, front)			
SERIAL	1 x RS232 (DB9M)			
VIDEO OUTPUT	1 x VGA or 1 x DVI-I (DVI-D + VGA)			
ADD-ON INTERFACES (optional, max 1)	1 x RS232/422/485 (DB15M)+ 1 x USB 2.0 (Type-A)			
	1 x RS232/422/485 (DB15M) isolated + 1 x USB 2.0 (Type-A)			
	2 x RS232 (DB9M)			
	2 x USB 2.0 (Type-A)			
EXPANSION SLOTS	S0	2 x MiniPCI dedicated to ASEM fieldbuses, I/O and NVRAM boards		
	S1	2 x MiniPCI dedicated to ASEM fieldbuses, I/O and NVRAM boards		
		1 x PCI or 1 x PCIe x1 (2.5 Gb/s)		
POWER SUPPLY UNIT	24VDC isolated with or without UPS (optional) with external battery pack			
O.S. CERTIFIED	Microsoft Windows 7 Pro/Ultimate 32bit, Windows XP Pro 32bit, Microsoft Windows Embedded Standard 7E/7P 32 bit, Windows Embedded Standard 2009 (XPe SP3) 32bit, Microsoft Windows Embedded Compact 7 Pro			Microsoft Windows 7 Pro/ Ultimate 32bit, Microsoft Windows Embedded Standard 7P 32 bit
OPERATING TEMPERATURE	0° - 50°C			
	0° - 45°C with HDD 24x7			
	5° - 45°C with standard HDD			
APPROVALS	CE, cULus LISTED (508)			