

HT700

Fanless Panel PC based on Intel® Tunnel Creek platform



The entry-level, cost-effective fanless HT700 Panel PC family is based on 1 GHz E640 and 1,6 GHz E680 Intel® Tunnel Creek processors.

The all-in-one motherboard features two 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 Compact Flash slot and 1 GB or 2 GB on-board RAM configurations with 800 MHz DDR2 chips.

HT700 family is available with 6,5", 8,4", 10,4", 12,1" and 15" in 4:3 aspect ratio and 7", 15,6" 18,5" in 16:9 Wide aspect ratio 16 million color TFT LED Backlight LCDs and aluminum (HT) or aluminum True Flat (HT-TF) with 5 wires

resistive touchscreen front panels with one USB port. The versions with 15,6" and 18,5" Wide LCDs are also available with Aluminum True Flat front panels with projected capacitive Multitouch-screen (HT-TFM). Panels with 12,1", 15" LCDs are also available with Stainless Steel True Flat front panels (HT-TFX).



ASEM
STANDARDS

+ Highlights

- Fanless Panel PC with 0-50 °C operating temperature
- Intel® Tunnel Creek platform and 1 GHz E640 and 1,6 GHz E680 processors
- 6,5", 8,4", 10,4", 12,1" and 15" in 4:3 aspect ratio and 7", 15,6" 18,5" in 16:9 Wide aspect ratio TFT LCDs
- Built-in UPS with external battery pack (optional)
- IP66 or IP66K front panel protection degree
- CE, cULus LISTED (508) certification

Gallery



Technical data

	HT700	HT700-TF	HT700-TFX	HT700-TFM
LED backlight TFT LCD	6.5" - 640x480 7" - 800x480 8.4" - 800x600 10.4" - 800x600 12.1" - 800x600 12.1" - 1024x768 15.0" - 1024x768 15.6" - 1366x768 18.5" - 1366x768		12.1" - 800x600 12.1" - 1024x768 15.0" - 1024x768	15.6" - 1366x768 18.5" - 1366x768
TOUCH-SCREEN	Resistive 5 wires	Resistive 5 wires	Resistive 5 wires	P-CAP Multitouch, 4 fingers
	GFG (optional)			
FRONT PANEL	Aluminum	True Flat Aluminum	True Flat Stainless Steel	True Flat Aluminum
PROTECTION GRADE	IP66 - frontal		IP66K - frontal	
PROCESSOR	Intel® Atom™ E640 1,00 GHz, 1 core / 2 threads, 512KB L2 cache, soldered			
	Intel® Atom™ E680 1,60 GHz soldered, 1 core / 2 threads, 512KB L2 cache, soldered			
CHIPSET	Intel® EG20T			
VIDEO CONTROLLER	Integrated in Intel® Atom™ microprocessor, 320MHz (E640) or 400MHz (E680), LVDS 8bit/color digital interface			
SYSTEM MEMORY - RAM	1 GB or 2 GB with DDR2 chips soldered			
MASS STORAGE	1 bootable CompactFlash on board with external access			
	1 x SSD or 1 x HDD 2,5" SATA II (ONLY for systems with 8.4" or greater LCD)			
	1 x SSD Half-Slim SATA II (ONLY for systems with 6.5" and 7" LCD)			
LAN	2 x LAN 10/100/1000Mbps (RJ45, 1 x Intel® 82574L, 1 x integrated in Intel® EG20T + PHY Realtek® RTL8211E)			
USB	2 x USB 2.0 (Type-A, rear)		2 x USB 2.0 (Type-A, rear)	
	1 x USB 2.0 (Type-A, front)			
SERIAL	1 x RS232 (DB9M)			
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) optoisolated + 1 x USB 2.0 (Type-A)			
	2 x RS232 (DB9M)			
	2 x USB 2.0 (Type-A)			
EXPANSION SLOTS	2 x MiniPCI dedicated to ASEM fieldbuses, I/O and NVRAM boards			
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 (XP 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 or 18.5" LCD			
	5°- 45°C with standard HDD			
APPROVALS	CE, cULus LISTED (508)			