7" HD Industrial Fanless Panel PC with Dual-core Intel® Celeron® N2807 (Model: IPCW0700PC)

- 7-inch HD 1024x600
- Flat screen with 6H projected capacitive touch supports multi-touch function
- 9V-30V wide range DC power input
- Fanless cooling system with dual-core Intel® Celeron® N2807 processor 1.58 GHz/2.16 GHz
- 2GB DDR3L Onboard RAM
- Built-in 802.11b/g/n wireless LAN
- Landscape and portrait screen modes support different applications
- Front panel is compliant with IP 65 protection standard
- iTechLCD One Key Recovery solution allows you to create rapid OS backup and recovery (suggested with over 4 GB storage capacity)
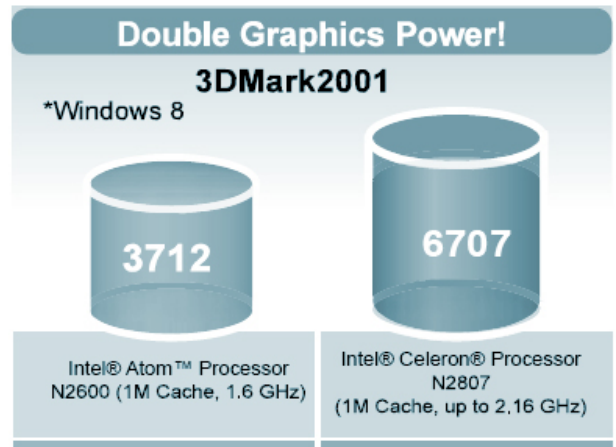
HD High Performance Interactive System

The IPCW0700PC has a 7-inch display with HD 1024 x 600 pixels and is pre-installed with a high-performance Celeron® N2807 CPU, which is a dual-core processor that comes with 1 MB L2 cache and 1.58 GHz base clock. The SoC has 2.17 GHz maximum burst frequency, which pumps up its frequency to complete tasks faster suitable for industrial computing. Benefits include:

- Support fan-less design
- **Green memory: low voltage DDR3L supports up to 4 GB**
- **New graphic performance**

The latest Intel® Atom™ processor includes a 7th generation Intel® GPU with burst technology to provide a stunning graphics and media experience. Seamless video playback is supported by a high performance and low power hardware acceleration of media encode and decode.

- 3D graphics hardware acceleration including support for DirectX*11, OCL 1.2, OGL ESHalti/2.0/1.1,OGL3.2
- Video decode hardware acceleration including support for H.264, MPEG2, MVC, VC-1, WMV9 and VP8 formats
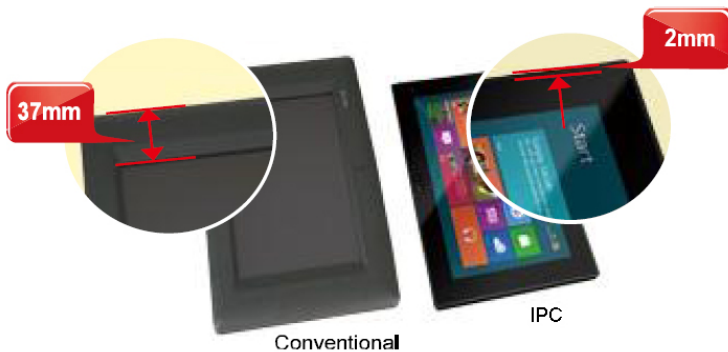- Video encode hardware acceleration including support for H.264, MPEG2 and MVC formats

Double Graphics Power!

3DMark2001

*Windows 8

3712	6707
Intel® Atom™ Processor N2600 (1M Cache, 1.6 GHz)	Intel® Celeron® Processor N2807 (1M Cache, up to 2,16 GHz)

Enhanced Visual Experiences

		IPCW0700PC
Core Functionality	Intel Atom processor N2600 (1M cache, 1.6 GHz)	Intel Celeron processor N2807 (1M cache, up to 1.58 GHz)
Process Technology	32-nm	22-nm
Memory Technology	DDR3 800 up to 2GB	2GB DDR3L onboard
Touch Technology	4-wire resistive touch screen	PCAP touch screen with multi touch function
Resolution	WVGA 800 x 480	HD 1024 x 600
Viewing Angle	140°/110°	150°/145°
Power Requirements	9~28V DC	9~30V DC
IP Rating	IP64	IP65
Dimensions (LxW)(mm)	226 x 140	190 x 127

2 mm Narrow Bezel for Seamless View

Nothing shows sophistication like a display with a thin bezel. The IPC has gone one step further with a narrower bezel and will simply have audiences mesmerized by its contemporary look and feel.

There are only 2 screws needed for assembling rear cover, which make it easy to access and replace storage, RAM, and PCIe Mini card.

Compact All-in-one Unit for Easy Installation in Small Spaces

The compact slim IPC is secured in light weight plastic housing with IP65 certified front panel. The compact size is designed for small-size operator interface applications, such as factory HMI, home automation terminal and digital signage.
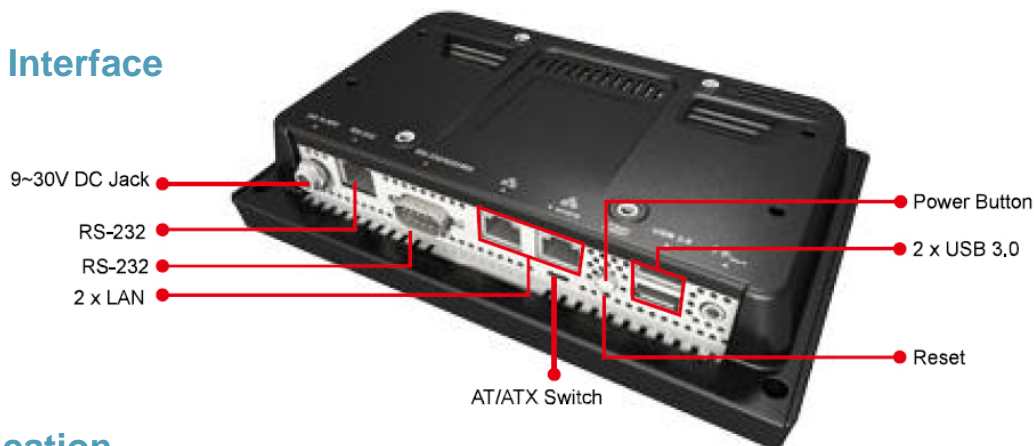

Options

Item	Description
Panel mounting kit	
Wall mounting kit	
Rack mounting kit	
ARM	
Stand	
V-stand	
DC jack to terminal block power converter cable	100 mm (A) terminal block, 2P P=5.0(B) DC plug
RJ-45 to DB-9 COM port cable	RS-232 D-sub 9 male to RJ-45, 300 mm
OS: Win 8 Embedded (DVD-ROM)	
OS: Win 7 Embedded (DVD-ROM)	

Packing List

Item	Description
Utility CD	
One Key Recovery CD	
Power Adapter	36W Power Adapter;Input: 90VAC~264VAC, 50/60Hz; Output: 12VDC
Power Cord	Power cord 3P European 250 V16 A 1.8 m

Rich I/O Interface

9~30V DC Jack
RS-232
RS-232
2 x LAN
AT/ATX Switch
Power Button
2 x USB 3.0
Reset

Specification

LCD	Size	7"
	Resolution	1024x600
	Brightness (cd/m²)	500
	Contrast Ratio	700:1
	Pixel Pitch (mm)	0.05(H) x0.15(V)
	Viewing Angle (V/H)	150°/145°
	Backlight MTBF (hrs)	20000 hrs (LED backlight)
Touch	Touch Screen	Projective capacitive type with USB interface
	Touch Controller	EETI EXC7200
System	CPU	Intel Celeron N2807 dual core 1.58 GHz
	RAM	2GB DDR3L Onboard RAM
	Ethernet	Realtek RTL8111E PCIe GbE controller
	Audio Codec	Realtek ALC892 HD audio codec
	Storage	mSATA
	Input/Output	1 x RS-232 COM port (RJ-45 connector) 1 x RS-232 COM port 2 x USB 3.0 2 x Gigabit Ethernet ports (RJ-45) 1 x Power switch 1 x Reset button 1 x AT/ATX switch 1 x Line-out 1 x 9 V-30 V lockable DC jack
Audio		AMP 2W + 2W (internal speaker)
System Cooling		Fanless
Physical	Construction Front Bezel	PC +ABS plastic
	Mounting	Wall, Panel, Stand, Rack mounting (VESA 75mm x 75mm)
	Color	Black
	Dimensions (WxHxD)(mm)	190.65 x 127 x 38.9
	Cut-out(WxH)(mm)	182 x 111
Environment	Operating Temperature (°C) (Ambient with air flow)	-10°C~45°C
	Storage Temperature (°C)	-20°C~60°C
	Humidity	10% to 95% (non-condensing)
	IP Level	IP 65 front
	Safety/EMC	CE/FCC
Power	Power Supply	36W power Adapter Input: 90VAC~264VAC, 50/60 Hz Output: 12VDC
	Power Requirement	9V-30V DC