

# Tough Panel™

# Fanless Windows 7 Embedded PC



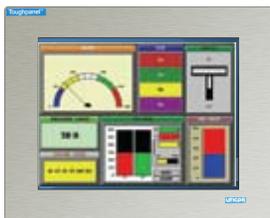
Many companies offer embedded PCs; however, the industrial user still faces the following challenges:

Products are not “industrial” enough & do not last long in industrial environments, such as high temperature, high humidity, oil & coolant mists, hosedowns for machine wash, high shock & vibration. And when a component fails, it takes a long time to replace it, causing a loss of machine productivity.

Most companies do not offer ready-to-use products, requiring customers to spend a day or two to install necessary software. Should incompatibilities or driver issues come up, this time could extend to weeks.

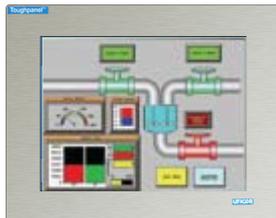
- **Pre-Configured, Ready to Use (with Soft HMI)**
- **Compact Design**

## Enjoy All the Benefits of the Windows World in an Industrial Package



### View Video

View video file in MPEG format



### View PowerPoint

Visually learn and train



### View Excel

View and analyze current data



### Drivers

All regular Windows drivers Supported



## Choose from an Aluminum or Stainless Steel Bezel!

UTW-10TC-0-A-0-0

**\$3495**

10" Windows 7 PC w/  
Aluminum Bezel

UTW-15TC-0-A-0-0

**\$5095**

15" Windows 7 PC w/  
Aluminum Bezel

- Includes Power Touch Soft HMI
- 4GB SSD
- 16.2 M colors
- LED Backlight
- NEMA 4,4x
- Micro SD slot
- 1024x768 pixel resolution
- Option cards capable: DH+/Remote IO, Modbus+, Devicenet, Profibus, CC Link
- All Serial and Ethernet Protocols included

**Resolution 1024x768**

**Windows 7 Embedded  
Operating System**

**4 USB ports. Connect  
printers, scanners &  
any other peripherals**

**Panel Mount  
10" & 15" Option**

**1GB Ethernet port**

**Expandable Memory  
Micro SD Card**



**Capability for Network  
option boards DH+/RIO,  
Modbus+, DeviceNet, Profibus**

**LED Backlight 400 nits**

## Technical Data

Processor:	Intel Atom E640 1 GHz with 1GB DDR2 RAM
Memory:	SSD 4GB (8GB, 16GB, 32 GB options available)
Display:	15" TFT Color with built-in Anti-Glare, 400 Nits, LED Back light
Backlight Life:	75000 Hrs @55°C
Resolution:	1024 x 768
Colors:	16.2M Colors
Touch Screen:	4/5-Wire Analog Resistive
USB:	4 USB ports with USB 2.0
Ethernet:	1 Ethernet port with 1GB Speed
Serial Ports:	2 Ports - 1 9-Pin Rs232 Port, 1 15-Pin Rs232/422/485
CAN Port:	1 Optional
Storage:	MicroSD slot available
Operating Temp:	0-55° C
Supply:	12V-28V DC Supply Voltage
Panel Protection:	NEMA 4/4X

**No moving  
parts!**

**Industrial Grade  
NEMA 4/4X**



## Utitor Tough panel 10 and 15-inch Model Specifications

<b>Part Number</b>	<i>Windows 7 OS with Ethernet and option cards</i>	
	UTW-10TC-0-A-0-0 <b>\$3395</b> UTW-15TC-0-A-0-0 <b>\$4995</b>	UTW-10TC-0-S-0-0 <b>\$3995</b> UTW-15TC-0-S-0-0 <b>\$5795</b>
		
<b>Specification</b>	10.4" TFT Color	15" TFT Color
<b>Enclosure</b>	NEMA 4/4X, Class I, Div. II with FDA Compliance, Aluminum or Stainless Steel	
<b>Display View Area</b>	8.31" x 6.22" (211.07 x 158 mm)	12.02" x 9.01" (305.28 x 228.96 mm)
<b>Screen Pixels</b>	800x600	1024x768
<b>Brightness (Nits)</b>	400	400
<b>Life (Hours)</b>	100,000	100,000
<b>Touch Screen</b>	Analog Resistive Touch Screen	
<b>CPU Type</b>	Intel Atom E640 1 GHz w/1GB DDR2 RAM	
<b>Power Supply Required</b>	12V-28V DC Supply Voltage	
<b>Power @ 24 VDC (watts)</b>	20 Watts	20 Watts
<b>Approvals</b>	UL, CUL, CE (Pending)	
<b>Operating Temp.</b>	-20° to 60° C (-4 to 140° F)	
<b>Storage Temp.</b>	-20° to 60° C (-4 to 140° F)	
<b>Humidity</b>	10-95% RH, relative humidity	
<b>Electrical Noise</b>	NEMA ICS 2-230 showering arc ANSI C37.90a-1974 SWC Level C Chattering Relay Test	
<b>Withstand Voltage</b>	1000VDC (1 minute), between power supply input terminal and protective ground (FG)	
<b>Insulation Res.</b>	Over 20 MΩ, between power supply input and terminal and protective ground (FG)	
<b>Vibration</b>	5 to 55Hz 3G for 2 hours in the X, Y and Z axes	
<b>Shock</b>	20G for under 12ms in the X, Y and Z axes	
<b>User Memory – System RAM</b>	1GB DDR RAM	
<b>User Memory</b>	4GB SSD and Micro SD Available	
<b>Num. of Screens</b>	Up to 999 limited by memory	
<b>Serial Communications</b>	PLC port: RS-232/RS-422/RS-485 15-pin D-sub (female)	
	Download/program port: RS-232/RS-422/RS-485 9-pin D-sub (female)	
	Ethernet and USB Built-in	
<b>Weight</b>	6.8 lbs for Aluminum, 9 lbs for Stainless Steel	8.9 lbs for Aluminum, 11.9 lbs for Stainless Steel