



# Technical Specifications



## Physical

Overall Dimensions	14.48" x 17.14" x 3.10" (367.8mm x 435.4mm x 78.7mm)
Panel Mounting Depth	2.85" (72.4mm)
Cutout Dimensions	13.70" x 16.35" (348.0mm x 415.3mm)
Weight	19.0 lbs (8.63kg)
Shipping Weight	23.5 lbs (10.67kg)
Option Weight (SS)*	+3.75 lbs (1.70kg)*

\* Additional weight for Stainless Steel option.

## Display

Display Diagonal	17.0" (431.8mm)
Display Size H x V	13.30" x 10.64" (337.9mm x 270.3mm)
Native Resolution	SXGA, 1280 x 1024
Brightness	350 nit
Contrast Ratio	1000:1
Horz/Vert Viewing Angle	170°/170°
Backlight Life / Typical	50,000 hrs
Touchscreen	5-wire Analog Resistive

## Processor

<sup>1</sup> Additional Video RAM as needed with DVMT (Dynamic Video Memory Technology).

Type & Processor	<b>ATOM N2800</b> Intel Dual Core ATOM N2800
Core Speed	1.86 GHz
Threads / Bus/Core	2 / 4
L2 Cache	1MB
Chipset	Intel NM10 Express
Graphics Controller	Integrated Intel GMA 3650 <sup>1</sup>
Ethernet Controller	Intel 82574L Gigabit 10/100/1000 (2 ports)

## Storage & Peripherals

Operating System	Windows 7 Professional (32-bit); Optional Windows 7 Ultimate (32-bit), or No OS installed
DRAM	4GB Single Module (204-pin DDR3 SO-DIMM, non-ECC, unbuffered, 1066 MHz)
Standard Storage	240GB SATA Solid State Drive; Optional 480GB or 960GB Solid State Drive
Available I/O	(1) HDMI Port, (2) USB 2.0, (2) USB 3.0, (2) RS-232, (1) RS-485/422, (1) Analog Video Port (supports dual video), (2) Ethernet 10/100/1000 Ports

## Power

Input Power	55W
DC Input Voltage	18-36 VDC, 6.0 A Maximum

The DEMKO certificate is available online for downloading: [http://www.comarkcorp.com/atex/demko\\_1374x\\_r2.pdf](http://www.comarkcorp.com/atex/demko_1374x_r2.pdf)

The IECEX UL certificate is available online for downloading at: [http://www.comarkcorp.com/iecex/ul\\_16\\_0058x\\_r0.pdf](http://www.comarkcorp.com/iecex/ul_16_0058x_r0.pdf)

# Technical Specifications

## Environmental

	Operating	Non-operating
Temperature <sup>2</sup>	0°C to 55°C	-20°C to 70°C
Humidity	20% to 80% RH, noncondensing	20% to 80% RH, noncondensing
Shock <sup>3</sup>	15g peak acceleration, 11msec	30g peak acceleration, 11msec
Vibration (5-2000 Hz) <sup>3</sup>	.006" peak to peak displacement, 1.0g maximum acceleration	.015" peak to peak displacement, 2.5g maximum acceleration
Altitude <sup>4</sup>	Sea level to 10,000 feet	Sea level to 40,000 feet

<sup>2</sup> Temperature specifications are for air temp surrounding the unit (i.e. inside any enclosure being utilized). Meets US Federal Requirements specified in 46 CFR 111.01-15 (d) for offshore electrical systems.  
<sup>3</sup> Shock & Vibration specifications established with Solid State drives and no rotating media.  
<sup>4</sup> Altitude specification is established by using all internal component specifications.

## Compliance

NEMA Rating	NEMA 4/4X/12, IP66
FCC	47 CFR, Part 15, Class A
EU CE Marking	CE, EN 55022: Class A, EN 61000-3-3, EN 61000-6-2, IEC 60950-1
IECEX Compliance	UL 16.0058X
ATEX Compliance	ATEX Zone 2/22 approved when installed in an approved enclosure as described in the certificate DEMKO 14 ATEX 1374X
Agency Approvals *	UL508 Listed, ANSI/ISA 12.12.01-2012, cUL Listed CSA C22.2, #142, cUL Listed CSA 22.2, #213

\* iPC-Series (w/ N2800): Class I Division 2, Groups A, B, C, D; Class II, Division 2, Groups F & G; Class III; Temp. Code: T4A, when installed on a flat surface of a Type 1, 4, 4X, or 12 enclosure.

## Front Panel

Front Panel Options	Powder-Coated Aluminum Front Panel; with No Logo; Machined 304 Stainless Steel
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## Features

- 5-wire Analog Resistive Touchscreen
- Integrated Isolated 24 VDC Power Supply
- IECEX, ATEX ZONE 2/22, UL/cUL 508, Class I Div 2, CE Approval Label
- Easily Removable SATA Solid State Drive
- Extensive I/O Connectivity
- USB Retention Bracket
- USB & Ethernet Cord Hold Down
- Panel Mounting via Clips
- HDMI Cable Retention Bracket
- VESA Mounting iPC1700 - 75mm
- Made with Pride in the USA

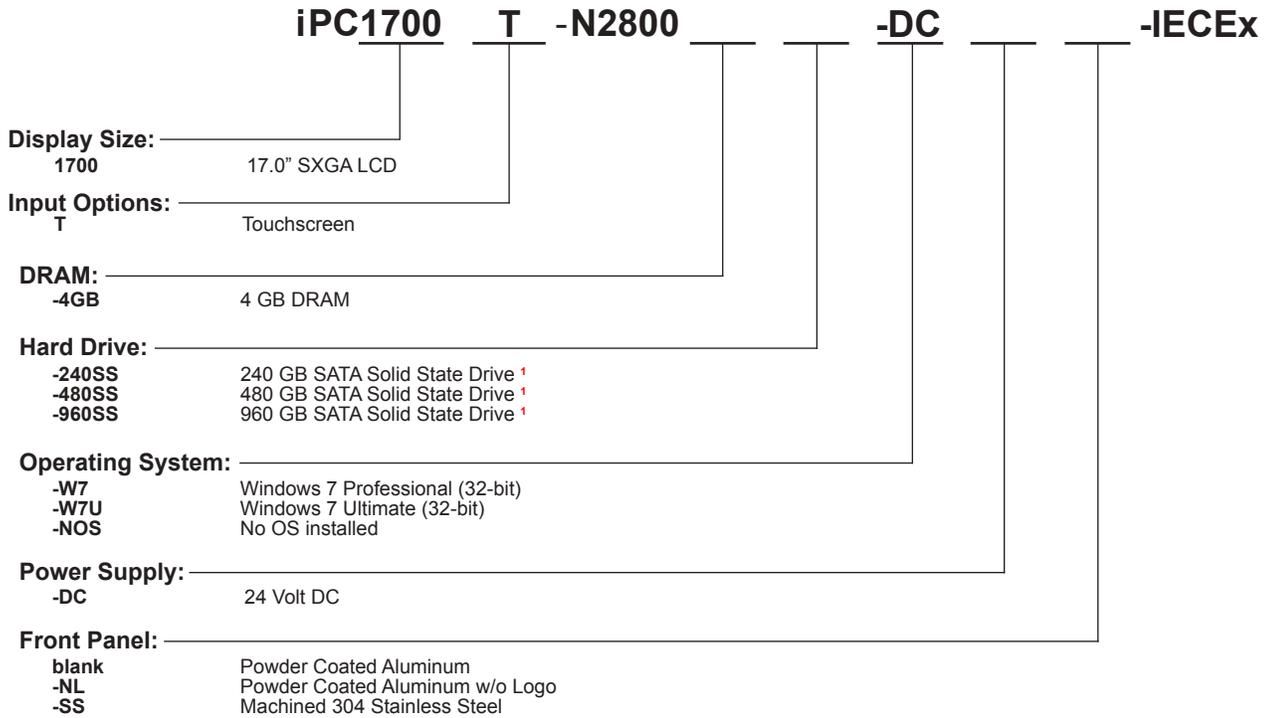


Standard 2-year warranty  
- Covers parts and service



# Order Number Generation

**Base unit configuration: iPCxx00T-N2800-4GB-240SS-W7-DC-IECEX**, where xx = 12, 15, 17, or 19 (for display size), includes a touchscreen, Intel ATOM N2800 processor, 4 GB DRAM, 240 GB SATA Solid State Drive, isolated 24 VDC power supply, and Windows 7 Professional (32-bit).



<sup>1</sup> Solid State Drive options carry a 5-year (part-only) warranty.