


N-Series Hazardous Area Computers & Displays



Certified for Class I / Div 2 Groups A, B, C, D; Class II / Div 2 Groups F & G

Wall, Arm, or
Desk Mount

 **Underwriters
Laboratory
Certified**

**Class I, Div 2
Groups A, B, C, D**

**Class II, Div 2
Groups F & G**

**Rugged, shock-
and vibration-
tested operator
interface**

**Integral touch
screen**

**Single Board
Computer**

Ethernet-ready

*Have Questions or
need additional
information?*

Contact us:
sales@hmwent.com

or

Phone: 717-765-4690
Fax: 717-765-4660

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System Description

The N-Series HMI®/Workstation is a rugged and full-featured industrial computer that can be Arm or Wall mounted. These units are especially designed, tested and certified for use in hazardous areas, specifically Class I, Div 2 (Groups A, B, C, D) and Class II, Div 2 (Groups F & G).

The N-Series includes all the features of a standard PC, including keyboard and mouse connections, Serial, USB and Ethernet ports. The Hi-contrast display, touch screen, rugged enclosure and shock/vibration tested SBC make it an ideal choice in a multitude of processes and industries.

The units can be configured with Windows XP or Linux. The Thin Client version can be ACP enabled.

The system can be ordered with a 2.5" hard drive or Flash Drive providing more than ample storage space for any application(s). The unit can be configured to fit most any customer need -- as a Thin Client or Full-featured Single Board Computer Terminal.

All HMI®'s of all series are quality certified prior to shipment by HMW's experienced computer technicians. All units are subjected to an operational burn-in period of 48 hours at room temperature and 48 hours at +40-50° C.

This procedure, together with careful selection of modular components to the highest available MTBF and temperature range rating -- industrial grade, not consumer or commercial grade -- assures the customer extraordinary levels of quality and reliability of HMW product performance. HMW computer solutions offer the user an outstanding cost-of-ownership factor.

The N-Series is backed by 20-plus years of experience in the application of computer products in hazardous environments.

HMI® is a registered trademark of HMW Enterprises, Inc.

PROCESSOR and MEMORY

Via 667 MHz
512 MB SDRAM

OPERATING SYSTEMS

Windows XP Pro

STORAGE

IDE 2.5" HDD (capacity as high as available)
Flash Drive

PORTS

PS/2 Mouse
PS/2 Keyboard
Serial RS-232 RS-232/RS-485
Ethernet 10/100 Base
USB
FDD / IDE

DISPLAYS

Type High Contrast TFT LCD flat panel
Size 10.4 inch
Resolution 640 x 480 VGA

TOUCH SCREEN

Resistive

POWER SUPPLY

Input Voltage 12 VDC

ENVIRONMENTAL

Operating Temperature -20 TO +70°C
Storage Temperature -25 to +85 °C
Humidity 10% to 90% RH (non-condensing)

ENCLOSURE

Powder Coated Aluminum Standard
Stainless Steel Optional

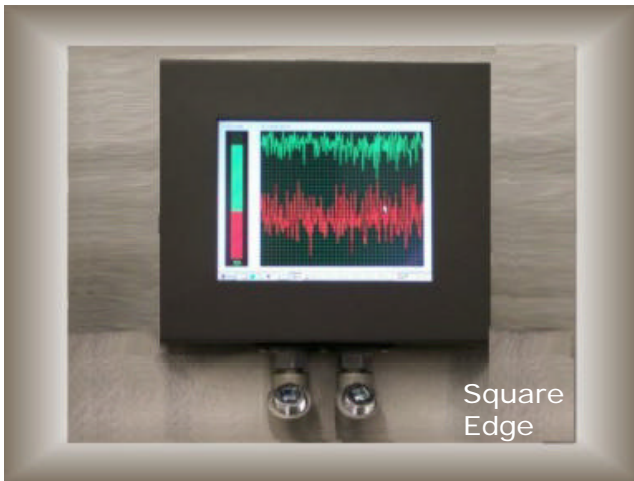
PHYSICAL DIMENSIONS

4.25" D X 17.25" W X 11" H Rounded Edge
4.31" D X 13.5" W X 11" H Square Edge

N-series/0107kkw

N-Series Hazardous Area Computers & Displays

Configurations / Model Numbers and Descriptions



ALL CONFIGURATIONS  CERTIFIED NON-INCENDIVE
Class I / Div 2 Group A, B, C, and D Class II / Div 2 Group F & G

1000 Touch Display Series Configurations / Descriptions:

1010N-T4E-ELO	ELO Touch Screen / NEMA 4 Rating / Powder Coated Aluminum Enclosure
1010N-T4S-ELO	ELO Touch Screen / NEMA 4 Rating / Stainless Steel Enclosure

1500 Thin Client* Series Configurations / Descriptions:

1510N-T4E-ELO	ELO Touch Screen / NEMA 4 Rating / Powder Coated Aluminum Enclosure
1510N-T4S-ELO	ELO Touch Screen / NEMA 4 Rating / Stainless Steel Enclosure

2000 CE Series Configuration / Descriptions:

2010N-T4E ELO	ELO Touch Screen / NEMA 4 Rating / Powder Coated Aluminum Enclosure
2010N-T4S-ELO	ELO Touch Screen / NEMA 4 Rating / Stainless Steel Enclosure

3000 Embedded XP Series Configuration / Descriptions:

3010N-T4E-ELO	ELO Touch Screen / NEMA 4 Rating / Powder Coated Aluminum Enclosure
3010N-T4S-ELO	ELO Touch Screen / NEMA 4 Rating / Stainless Steel Enclosure

3500 Single Board Computer Series Configuration / Descriptions:

3510N-T4E-ELO	ELO Touch Screen / NEMA 4 Rating / Powder Coated Aluminum Enclosure
3510N-T4S-ELO	ELO Touch Screen / NEMA 4 Rating / Stainless Steel Enclosure

These systems provide you with a complete range of configuration options. We offer your choice of Powder Coated Aluminum or Stainless Steel enclosures.

* Thin Client version can be ACP enabled.
