

# 3500 Series HMW Single Board Computer HMI<sup>®</sup>

## Mounting options:

- Panel
- Arm
- Desktop
- Wall
- Floor

Aluminum Epoxy  
Powder-coated Enclosure  
with Grey Sandstone  
Finish  
Optional Stainless Steel

Optional  
NEMA 4/4X  
Enclosure

Optional Touch Screen  
NFI, Resistive or  
Capacitive

10-inch to 18-inch  
Standard Screen Sizes,  
Optional Sizes include  
6.5-inch, 21-inch, and  
other customizable sizes  
upon request

Choice of Pentium  
series CPUs

Ethernet-ready

Wireless Ethernet  
Available

Have Questions or need  
additional information?

Contact us:  
sales@hmwent.com

or

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## Description

The 3500 Series Single Board Computer is a rugged and full-featured Pentium-based industrial computer that can be mounted in any location where a Human Machine Interface (HMI<sup>®</sup>) is needed.

It includes all the features of a standard PC -- including keyboard and mouse connections -- but its integral touch screen, rugged enclosure and shock/vibration/heat tested SBC make it an ideal choice for a highly

functional workstation in any networked industrial or other special environment.

The high quality TFT Industrial Grade Flat Panel Display incorporates the latest technology to provide a bright, high-resolution and high-contrast graphic interface for systems even in harsh industrial environments. Standard enclosure material is powder coated aluminum; optional full stainless steel construction is available.

Normal operating temperature range is 0° to +50° C. Units can be configured for an expanded range of -30° to +70° C (option).

All modules and hardware components are selected industrial grade. Display panels are of a grade previously only available for medical diagnostic applications, utilizing advanced, super-fine TFT technologies. This technology provides high luminance and a wide color range, equivalent to that of a CRT. It also results in accurate color reproduction and clear and vivid images, even in bright environments. Viewing angle is 170°, with reduced color and contrast shift on change of viewing angle. Strict assembly procedures and extended temperature operation prior to final test assure reliability and high MTBF.

HMW sells only industrial grade computers at outstanding cost of ownership figures.

## MOUNTING OPTIONS



Articulating  
Arm Mount

Bench/Desk Pedestal with  
tilt and swivel setting



Wall Mount with tilt  
and swivel setting

# STANDARD FEATURES AND OPTIONS FOR 3500 SERIES HMI'S

## STANDARD ON ALL MODELS:

### ENCLOSURE

Epoxy-coated Aluminum Enclosure/Bezel

### DISPLAYS

Type: High-resolution, High Bright TFT LCD Flat Panel  
On-screen Display (OSD) Video Adjustment  
Size: 10/12/15/18/inch

### POWER SUPPLY

Input Voltage: Universal input 84-264 VAC (50-60 Hz),

### ENVIRONMENTAL

Operating Temperature: 0° to 50° C.  
Storage Temperature: -25° to 60° C.  
Humidity: 80% RH max. (non-condensing)

### PROCESSOR and MEMORY:

VIA Eden 667 MHz CPU or VIA Eden 1 GHz CPU  
512 MB SODIMM RAM  
512 MB Compact Flash (Optional)

### OPERATING SYSTEM:

MS Windows  
Linux  
DR DOS  
Other

### STORAGE:

IDE 2.5-inch HDD (Max. memory as available)  
IDE Flash or Compact Flash  
CD ROM Drive (optional)

### PORTS:

Ethernet 10/100 Base  
Serial RS-232/RS-485/RS-422  
FDD/IDE  
Video  
Keyboard  
Mouse

*HMW Enterprises provides the most powerful current version of CPUs, HDs and DRAM. Because the specifications of these components change with market conditions, we encourage you to consult your HMW sales contact before ordering.*

## PANEL MOUNT

| <b>NEMA 4X Faceplate/Bezel</b> | <b>Dimensions<br/>(Depth measurement is from<br/>behind bezel)</b> | <b>Cutout<br/>(No mounting holes needed)</b> |
|--------------------------------|--|--|
| 3510P-G4E                      | 9.50" H x 11.75" W x 4.09" D                                       | 8.75" H x 10.88" W                           |
| 3512P-G4E                      | 10.69" H x 13.63" W x 4.56" D                                      | 9.69" H x 12.63" W                           |
| 3515P-G4E                      | 14.00" H x 16.25" W x 3.54" D                                      | 12.44" H x 15.38" W                          |
| 3518P-G4E                      | 16.00" H x 19.00" W x 4.00" D                                      | 15.00" H x 18.00" W                          |

## ARM MOUNT, WALL MOUNT, DESK MOUNT, FLOOR MOUNT

| <b>NEMA 12</b> | <b>Dimensions</b>             | <b>NEMA 4/4X</b> | <b>Dimensions<br/>(include sealed gland fittings)</b> |
|----------------|-------------------------------|------------------|---|
| 3510A-G2E      | 10.88" H x 15.13" W x 4.47" D | 3510A-G4E        | 12.56" H x 15.13" W x 4.47" D                         |
| 3512A-G2E      | 11.88" H x 16.56" W x 3.92" D | 3512A-G4E        | 13.56" H x 16.56" W x 3.92" D                         |
| 3515A-G2E      | 13.50" H x 19.25" W x 3.92" D | 3515A-G4E        | 15.18" H x 19.25" W x 3.92" D                         |
| 3518A-G2E      | 16.75" H x 22.75" W x 5.12" D | 3518A-G4E        | 18.43" H x 22.75" W x 5.12" D                         |

*VESA mount pattern is standard for all enclosures except, of course, panel mount*

## OPTIONS

Stainless Steel Enclosure/Bezel

6.5-inch, 21-inch Display Sizes (other custom sizes may be provided upon request)

Mounting Accessories: Wall / Arm / Desk / Floor /Other

Extended Operating Temperature Range -30° to +70° C.

Touch Screen: NFI, Resistive or Capacitive

Power Supply: 9-81 VDC



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