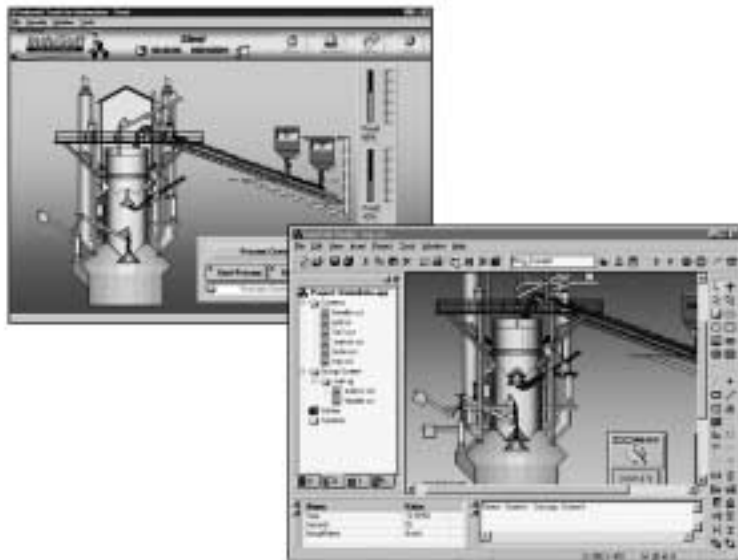




OpenHMI™ IWS

Operator Interface

Products

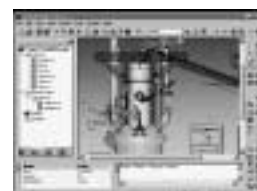


FEATURES

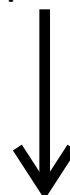
- Microsoft® Windows®-based development and runtime software
- 7.4" to 15" color flat panel display
- Operator input through a combination of integrated touchscreen, keypad, and/or mouse
- Built-in (3400 & PS-G series) or optional (3500 series) 10Base-T/100Base-TX Ethernet
- A wide range of drivers and I/O servers for the most popular control devices
- Optional industrial communication network interface
- AMD® AM5X86™ CPU (3400 series only); SH4-200 MHz (PS-G Series only); Intel® Celeron™ or Pentium® III CPU up to 850 MHz (3500 series)
- PC/104 expansion (3400 series); ISA and PCI expansion (3500 series)
- Graphic operator instruments
- Alarming
- Trending
- Recipes and reports
- OPC client/server support
- CompactFlash™ drive option
- NEMA 4/4X/12, IP65 front panel (3400 & 3500 Series)
- NEMA 4X/12, IP65F front panel (PS-G Series)
- UL listed for hazardous locations: Class I, Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G (3400 & 3500 Series Only)

OVERVIEW

OpenHMI™ IWS operator interface products combine the best industrial PCs with a full-featured Human-Machine Interface (HMI) software package that can be used for applications ranging from simple operator input device replacement to supervisory control and data acquisition (SCADA) applications. OpenHMI IWS software is powered by InduSoft™ Web Studio™ and consists of two components: the OpenHMI IWS Web Studio development software and the OpenHMI IWS runtime workstation. The user creates and tests an HMI application on a desktop, laptop, or industrial PC with the Web Studio development software, and then downloads the completed application to the OpenHMI IWS runtime workstation. The OpenHMI IWS runtime software is preloaded on the OpenHMI IWS runtime workstation. Xycom Automation offers two runtime workstation OS options: Windows® CE 3.0 and Windows NT® 4.0. Windows CE 3.0 runtime workstation (IWSCE) applications can support up to 1500 tags, while the maximum number of tags supported by Windows NT runtime workstation (IWSNT) applications is controlled by the Web Studio development software version. There are 1500, 4000, and 64,000 tag versions of Web Studio development software available for Windows NT. OpenHMI IWS workstations are available with 7.4", 7.7", 10.4", 12.1", and 15" LCD displays. NEMA sealed front panel options include keypad, touchscreen, integrated industrial mouse, and combinations of these features.



Development Software



Runtime Workstation



HUMAN-MACHINE INTERFACE (HMI) CAPABILITIES & FEATURES

Real-Time Graphic Interface and Object-Oriented Database

The object-oriented editor allows you to quickly and easily create the operator interface. It is a Windows-based interface with dialogs, drop-menus, radio buttons, and toolbars. There is a library of graphic operator instruments like pushbuttons, meters, sliders, switches, and LED-style indicators. Static and animated objects can also be created and bitmap graphics can be imported. OpenHMI IWSNT applications also support ActiveX®.

Trending

OpenHMI IWS supports real-time and historical graph displays. Data can be logged in time (X vs. time) or batch format (X-Y or scatter). Triggers can be event-driven or time-based.

Alarms

OpenHMI IWS supports real-time alarm displays, alarm annunciation, and alarm logging. Alarms can be sent to the screen, e-mail, or a web page. Alarms can also be sorted and filtered for easy visual interpretation.

Recipes & Reports

User-defined recipes and user-configured reports can be triggered by events. Reports can be formatted as text or XML.

Scripting

The internal scripting language has over 90 functions.

Scheduling

You can configure triggering of actions (including e-mail) by events, time, or calendar.

Security

OpenHMI IWS has 256 levels of security with password protection for both runtime and development.

Language Translation

Applications can be developed in one language and translated completely or in part to other languages. Applications developed under Windows NT or Windows 2000 support Unicode® and those scripts which require it (generally Asian scripts).

Remote Access

OpenHMI IWS applications can be accessed remotely over a serial connection, an Ethernet connection, or a dial-up connection. You can edit the application, exchange data, or access reports remotely.

Web Publishing

OpenHMI IWS applications can publish screens, exchange data, and allow control over the Internet or an intranet. You can view multiple Web Studio clients from one browser.

Open Architecture and Industry Standards

Toolkits can be used to integrate other applications with Web Studio. OpenHMI IWS supports TCP/IP, ActiveX, ODBC, DDE, OPC, Windows DNA, Unicode, and XML.

COMMUNICATIONS

OpenHMI IWS supports communication with a variety of PLCs, networks, and other I/O devices. A partial list is given below; for a complete and up-to-date list, see www.indusoft.com/indusoft_drivers.asp. OpenHMI IWS interfaces with various PC-based control packages and it supports data transfer through TCP/IP, DDE, ODBC, and OPC.

Example Device Drivers

Allen-Bradley Data Highway, Serial (DF1)
Allen-Bradley Ethernet\$
Allen-Bradley ControlNet#
Cutler-Hammer D Series (485)
DeviceNet#
GE Fanuc Series 90 SNP
Hitachi H-Series
Mitsubishi A Series

Modicon MODBUS (Serial and Ethernet\$)
Modicon MODBUS Plus#
Omron Host Link
Opto 22 Mystic (Serial)
Profibus#
Siemens S5
Square-D SY/MAX Point-to-Point
TI-500

\$Requires additional communication support software or a software license.

#Requires additional hardware and communication support software or a software license. (Not available on PS-G Series.)

CAPABILITIES & FEATURES CHECKLIST

Key Features	OpenHMI IWSCE	OpenHMI IWSNT
OS Runtime Support		
Windows CE	✓	
Windows NT		✓
Windows development interface	✓	✓
Library of graphic operator instruments like pushbuttons, meters, sliders, switches, and LED-style indicators	✓	✓
Graphic Animation Capability	✓	✓
Logical Expressions	✓	✓
Scripting	✓	✓
Application Language Translation	✓	✓
Networking	✓	✓
Alarms	✓	✓
Alarm Logging	✓	✓
Recipes	✓	✓
Reports/Reporting	✓	✓
Security (including password protection)	✓	✓
Real-Time Trending	✓	✓
Historical Trending/Data Logging	✓	✓
Event-driven Scheduling	✓	✓
I/O Servers and Drivers	✓	✓
OPC Client and Server Support	✓	✓
Bitmap Graphic Objects	✓	✓
HTML Page Publishing (real time data in XML format)	✓	✓
ActiveX Object Support		✓
DDE Interface	✓	✓
ODBC Interface	✓	✓
Runtime multi-document interface		✓
Remote online application configuration	✓	✓
Gateway to Third Party SCADA Packages	✓	✓
Integrates smoothly with Windows desktop applications	✓	✓
Unicode support (only for applications developed under Windows NT and Windows 2000)	✓	✓

HARDWARE CONFIGURATIONS



	3408KP, 3408T	3410KP(T), 3410T	3412KP(T), 3412T
Display	7.7" color flat panel, 640 x 480 (VGA)	10.4" color flat panel, 640 x 480 (VGA)	12.1" color flat panel, 800 x 600 (SVGA)
Operator Input	51-position keypad (KP) or touchscreen (T)	63-position keypad (KP) and/or touchscreen (T)	63-position keypad (KP) and/or touchscreen (T)
Processor	AMD AM5x86	AMD AM5x86	AMD AM5x86
Runtime OS	Windows CE	Windows CE	Windows CE
Ethernet	Built-in 10Base-T/100Base-TX	Built-in 10Base-T/100Base-TX	Built-in 10Base-T/100Base-TX
Expansion	Two PC/104 cards	Two PC/104 cards	Two PC/104 cards



	PS-400G	PS-600G
Display	7.4" color flat panel, 640 x 480 (VGA)	12.1" color flat panel, 800 x 600 (SVGA)
Operator Input	Touchscreen	Touchscreen
Processor	SH-4 200 MHz	SH-4 200 MHz
Runtime OS	Windows CE	Windows CE
Ethernet	Built-in 10 Base-T	Built-in 10-Base T
Expansion	None	None



	3510KP(T), 3510T	3512KP(T), 3512T	3535T, 3535KPM(T)
Display	10.4" color flat panel, 640 x 480 (VGA)	12.1" color flat panel, 800 x 600 (SVGA)	15" color flat panel, 1024 x 768 (XGA)
Operator Input	63-position keypad (KP) and/or touchscreen (T)	63-position keypad (KP) and/or touchscreen (T)	71-position keypad and mouse (KPM), and/or touchscreen (T)
Processor	Intel Celeron or Pentium III	Intel Celeron or Pentium III	Intel Celeron or Pentium III
Runtime OS	Windows NT	Windows NT	Windows NT
Ethernet	Optional 10Base-T/100Base-TX	Optional 10Base-T/100Base-TX	Optional 10Base-T/100Base-TX
Expansion	One ISA, one PCI, one ISA/PCI	One ISA, one PCI, one ISA/PCI	One ISA, one PCI, one ISA/PCI



	3512KPM(T)	3515T, 3515KPM(T)
Display	12.1" color flat panel, 800 x 600 (SVGA)	15" color flat panel, 1024 x 768 (XGA)
Operator Input	71-position keypad and mouse (KPM), and/or touchscreen (T)	71-position keypad and mouse (KPM), and/or touchscreen (T)
Processor	Intel Celeron or Pentium III	Intel Celeron or Pentium III
Runtime OS	Windows NT	Windows NT
Ethernet	Optional 10Base-T/100Base-TX	Optional 10Base-T/100Base-TX
Expansion	Three ISA, two PCI, one ISA/PCI	Three ISA, two PCI, one ISA/PCI

3400 & 3500 SERIES PRODUCT SPECIFICATIONS AND RATINGS

Environmental

	Operating	Nonoperating
Thermal	0°C to 50°C	-20°C to 60°C
Humidity	20% to 80% RH, noncondensing	20% to 80% RH, noncondensing
Shock^a	15 g peak acceleration, 11 msec duration	30 g peak acceleration, 11 msec duration
Vibration	0.006" peak to peak displacement	0.015" peak to peak displacement
5-2000 Hz^a	1.0 g maximum acceleration	2.5 g maximum acceleration
Altitude	Sea level to 10,000 ft.	Sea level to 40,000 ft.

^aThese values are for solid state hard drives, not for rotating media drives.

Electrical

	3400	3500, 3-slot backplane	3500, 6-slot backplane
Power supply	40 Watt	80 Watt	200 Watt
AC power	90 to 250 VAC, wideranging, 50-60 Hz, 1 A (maximum)	115/230 VAC, autoranging, 50-60 Hz, 3.0 A (maximum)	115/230 VAC, autoranging, 50-60 Hz, 6.3 A (maximum)
DC power (option)	18 to 36 VDC, 24 V nominal, 2.5 A (maximum)	20 to 36 VDC, 24 V nominal, 10 A (maximum)	19 to 30 VDC, 24 V nominal, 16.0 A (maximum)
Available power^{bcd} for expansion	+5 V @ 0.8 A +12 V @ 0.25 A -12 V @ 0.25 A	+5 V @ 1.54 A +12 V @ 1.82 A -12 V @ 0.72 A	+5 V @ 10.6 A +12 V @ 4.88 A -5 V @ 0.76 A -12 V @ 0.46 A

^bTotal not to exceed 6 watts for 3400 series units

^cTotal not to exceed 36 watts for 3-slot 3500 series units

^dTotal not to exceed 100 watts for 6-slot 3500 series units

Front Panel

- NEMA 4/4X/12 IP65

Regulatory Compliance

CE

- EN 55022: 1994, Class A
- EN 50082-2: 1995
- EN 60950

FCC

- 47 CFR, Part 15, Class A

Safety Agency Approvals

UL

- UL 1950 ITE
- UL 1604

CUL

- CSA-C22.2, #950 ITE
- CSA-C22.2, #213

PS-G SERIES PRODUCT SPECIFICATIONS AND RATINGS

Environmental

	Operating	Nonoperating
Thermal	0°C to 50°C	-10°C to 60°C
Humidity	30% to 85% RH, noncondensing	30% to 85% RH, noncondensing
Vibration 5-2000 Hz^a	Continuous: Per IEC 61131-2, 10 Hz to 150 KHz, 0.035 mm peak to peak, 0.5 g maximum Non-Continuous: Per IEC 61131-2, 10 Hz to 150 KHz, 0.075 mm peak to peak, 1.0 g maximum	

^aThese values are for solid state hard drives, not for rotating media drives.

Electrical

	PS-400G	PS-600G
Power supply	28W	50W
DC power (option)	19.2 to 28.8 VDC	19.2 to 28.8 VDC
	24 V nominal	24 V nominal
	1.46 A (maximum)	2.6 A (maximum)

Front Panel

- NEMA 4X/12 IP65F

Regulatory Compliance

CE

- EN 55011: Class A
- EN 61000-6-2

Safety Agency Approvals

UL

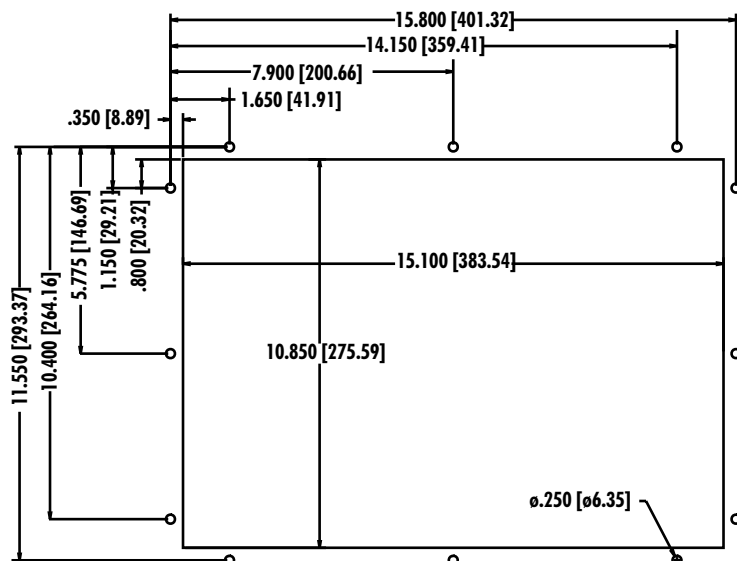
- UL 1508
- UL 1604

CUL

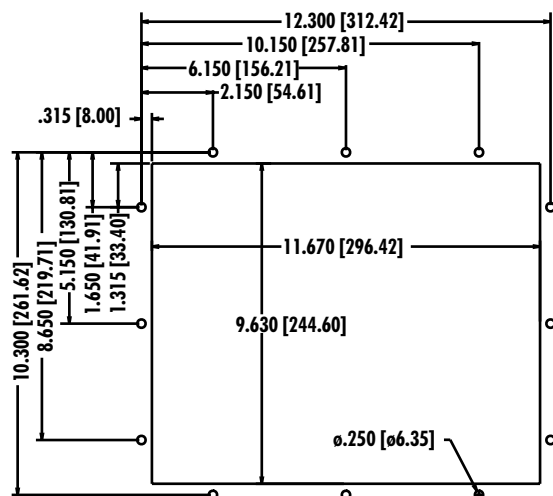
- CSA-C22.2, #142
- CSA-C22.2, #213-M1987

Model	PS-400G	PS-600G
Height	6.69" (170 mm)	9.57" (243 mm)
Width	8.46" (215 mm)	12.48" (317 mm)
Depth	2.36" (60 mm)	2.28" (58 mm)
Mounting Depth	2.36" (60 mm)	2.28" (58 mm)
Weight	3.7 lbs (1.7 kg)	6.6 lbs (3.0 kg)

3410/12KP(T), 3510/12KP(T) Mounting



3410/12T, 3510/12T Mounting



3410, 3510 Unit Dimensions

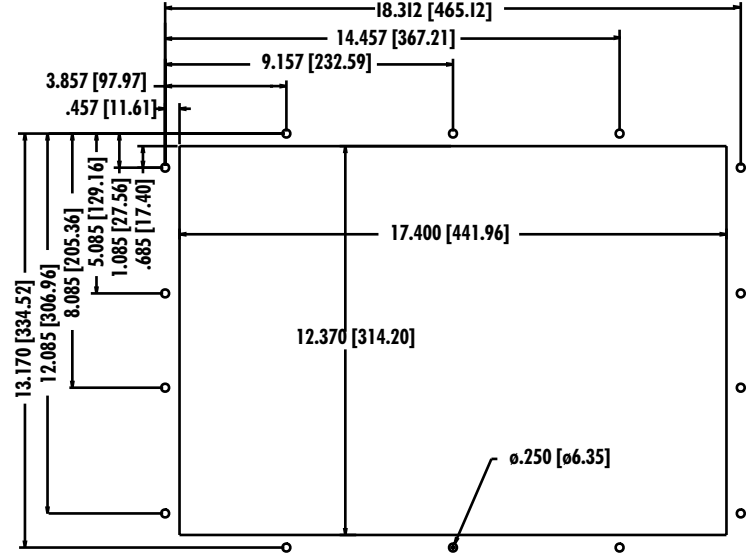
Model	3410T	3410KP(T)	3510T	3510KP(T)
Height	11.00" (279.4 mm)	12.25" (311.5 mm)	11.00" (279.4 mm)	12.25" (311.5 mm)
Width	13.00" (330.2 mm)	16.50" (419.1 mm)	13.00" (330.2 mm)	16.50" (419.1 mm)
Depth	4.50" (114.3 mm)	4.50" (114.3 mm)	6.50" (165.1 mm)	6.65" (168.9 mm)
Mounting Depth ^a	3.50" (88.9 mm)	3.50" (88.9 mm)	5.75" (146.0 mm)	5.65" (143.5 mm)
Weight	11 lbs (5.0 kg)	12 lbs (5.5 kg)	16 lbs (7.2 kg)	16 lbs (7.2 kg)

3412, 3512 Unit Dimensions

Model	3412KP(T)	3512KP(T)	3412T	3512T
Height	12.25" (311.5 mm)	12.25" (311.5 mm)	11.00" (279.4 mm)	11.00" (279.4 mm)
Width	16.50" (419.1 mm)	16.50" (419.1 mm)	13.00" (330.2 mm)	13.00" (330.2 mm)
Depth	4.50" (114.3 mm)	6.65" (168.9 mm)	4.50" (114.3 mm)	6.50" (165.1 mm)
Mounting Depth ^a	3.50" (88.9 mm)	5.65" (143.5 mm)	3.50" (88.9 mm)	5.75" (146.0 mm)
Weight	12 lbs (5.5 kg)	16 lbs (7.2 kg)	11 lbs (5.0 kg)	16 lbs (7.2 kg)

^a**NOTE ON DEPTH & MOUNTING DEPTH:** Add 1.4" (35.56 mm) for CD/floppy (CDF or CDWF) option, and add .8" (20.32 mm) for floppy (F) option.

3515/35T, 3512/15/35KPM(T) Mounting*



3512KPM(T) Unit Dimensions

3512KPM(T)	
Height	14.20" (360.7 mm)
Width	19.00" (482.6 mm)
Depth	10.00" (254 mm)
Mounting Depth	9.00" (228.6 mm)
Weight	42 lbs (18.9 kg)

*These 3500 units can also be mounted in an EIA standard 19" rack.

3515, 3535 Unit Dimensions

Model	3515KPM(T)	3535KPM(T)	3515T	3535T
Height	14.20" (360.7 mm)	14.20" (360.7 mm)	14.20" (360.7 mm)	14.20" (360.7 mm)
Width	19.00" (482.6 mm)	19.00" (482.6 mm)	19.00" (482.6 mm)	19.00" (482.6 mm)
Depth	10.00" (254 mm)	6.64" (168.6 mm)	9.75" (247.7 mm)	6.64" (168.6 mm)
Mounting Depth	9.00" (228.6 mm)	5.89" (149.6 mm)	9.00" (228.6 mm)	5.89" (149.6 mm)
Weight	42 lbs (18.9 kg)	25 lbs (11.3 kg)	42 lbs (18.9 kg)	25 lbs (11.3 kg)

ORDERING INFORMATION

Development Software and Other Software

At least one OpenHMI IWS Web Studio development software package is required to create applications for OpenHMI IWSCE or OpenHMI IWSNT workstations (hardware).

Order Number	Description
WEBSTUDIO-CE-1500	Windows 95 ¹ , Windows 98 ¹ , Windows NT, and Windows 2000-based development software for OpenHMI IWSCE runtime workstations only. Applications can support up to 1500 tags.
WEBSTUDIO-NT/2K-1500	Windows 95 ¹ , Windows 98 ¹ , Windows NT, and Windows 2000-based development software for OpenHMI IWSNT, IWS2K ² , and IWSCE runtime workstations ¹ . Applications can support up to 1500 tags. Web Studio-NT/2K-1500 includes Web Studio-CE-1500 (1500 tags).
WEBSTUDIO-NT/2K-4000	Windows 95 ¹ , Windows 98 ¹ , Windows NT, and Windows 2000-based development software for OpenHMI IWSNT, IWS2K ² , and IWSCE runtime workstations ¹ . Applications can support up to 4000 tags. Web Studio-NT/2K-4000 includes Web Studio-CE-1500 (1500 tags) and Web Studio-NT/2K-1500 (1500 tags).
WEBSTUDIO-NT/2K-64K	Windows 95 ¹ , Windows 98 ¹ , Windows NT, and Windows 2000-based development software for OpenHMI IWSNT, IWS2K ² , and IWSCE runtime workstations ¹ . Applications can support up to 64,000 tags. Web Studio-NT/2K-64K includes Web Studio-CE-1500 (1500 tags), Web Studio-NT/2K-1500 (1500 tags), and Web Studio-NT/2K-4000 (4000 tags).
AB-ENET-OPC1	Runtime license to use OPC server for Allen-Bradley Ethernet interface with OpenHMI IWSCE workstation.
AB-ENET-OPC2	Runtime license to use OPC server for Allen Bradley Ethernet with OpenHMI IWSNT or IWS2K ² workstation.
MB-PLUS-OPC1	Runtime license ³ to use OPC server for MODBUS Plus with OpenHMI IWSCE workstations.
MB-PLUS-OPC2	Runtime license ³ to use OPC server for MODBUS Plus with OpenHMI IWSNT or IWS2K ² workstations.
WS-GATEWAY-WW	Software utility that allows the exchange of data between OpenHMI IWSNT or IWS2K ² tag database and a Wonderware® InTouch® tag database.
WS-GATEWAY-INT	Software utility that allows the exchange of data between OpenHMI IWSNT or IWS2K ² tag database and an Intellution iFIX tag database.

¹Applications developed on a Windows 95 or Windows 98 computer will NOT support Unicode. Windows NT 4.0 or Windows 2000 development systems are required for Unicode support.

²Windows 2000 runtime workstations will be available from Xycom Automation in the future.

³Requires additional hardware and communication support software or a software license.

Runtime Hardware

To create an order number, follow the conventions defined by the example order numbers and product configurations.

Example Order Numbers

Order Number	Description
3410KP-HMI-513332-32M-IWSCE	OpenHMI IWSCE 3410 workstation with 10.4" 640x480 (VGA) display, reprogrammable keypad, AMD AM5x86 processor, 32 MB RAM, AC power supply, 32 MB CompactFlash drive, and OpenHMI IWSCE runtime software with Windows CE operating system preloaded.
3512T-HMI-8433128-2P-IWSNT	OpenHMI IWSNT 3512 workstation with 12.1" 800x600 (SVGA) color display, analog resistive touchscreen, Socket 370 433 MHz Intel Celeron processor, 128 MB DRAM, AC power supply, no floppy drive, no Ethernet, standard hard drive (10 GB minimum size), and OpenHMI IWSNT runtime software with Windows NT operating system preloaded.
3515KPM-HMI-8433128-3P-IWSNT	OpenHMI IWSNT 3515 workstation with 15" 1024x768 (XGA) color display, reprogrammable keypad, built-in mouse, Socket 370 433 MHz Intel Celeron processor, 128 MB DRAM, AC power supply, no floppy drive, no Ethernet, standard hard drive (10 GB minimum size), and OpenHMI IWSNT runtime software with Windows NT operating system preloaded.

ORDERING INFORMATION (HARDWARE CONTINUED)

OpenHMI IWSCE 3400 Industrial Workstations

Standard Configurations

3408(T or KP)-HMI-513332-32M-IWSCE

3410(T or KP)-HMI-513332-32M-IWSCE

3412(T or KP)-HMI-513332-32M-IWSCE

	34	-HMI-5133			-IWSCE
Color Flat Panel Display and Operator Input					
08KP	7.7" VGA display with keypad				
08T	7.7" VGA display with touchscreen				
10KP	10.4" VGA display with keypad				
10T	10.4" VGA display with touchscreen				
10KPT	10.4" VGA display with keypad and touchscreen				
12KP	12.1" SVGA display with keypad				
12T	12.1" SVGA display with touchscreen				
12KPT	12.1" SVGA display with keypad and touchscreen				
DRAM					
32	32 MB DRAM				
Power Supply					
blank	AC power supply				
-24V	24 volt DC power supply				
Internal Drive					
-32M	32 MB CompactFlash drive				
-48M	48 MB CompactFlash drive				
-HD	6.0 GB (minimum) hard drive				

OpenHMI IWSCE PS-G Industrial Workstations

Standard Configurations

PS-400G PS400G-HMI-48M-IWSCE

PS-600G PS600G-HMI-48M-IWSCE

PS-G Accessories

Order Number	Description
PSG-CB01	Download cable for PS-G (2 meters)
PSM-PRCB00	Printer cable for PS-400G (2 meters)
PSL-DF00	Screen protection sheets for PS-600G (5 pieces)
PS-400-DF00	Screen protection sheets for PS-400G (5 pieces)

ORDERING INFORMATION (CONTINUED)

OpenHMI IWSNT 3510, 3512 Industrial Workstations (3 ISA/PCI Slots)

OpenHMI IWSNT industrial workstations have a standard hard drive (20 GB minimum size).

Standard Configurations

3510 (T or KP)-HMI-8433128-2P-IWSNT

3512 (T or KP)-HMI-8433128-2P-IWSNT

	35	-HMI		-2P		-IWSNT
Operator Input						
10T	display with touchscreen					
10KP	display with keypad					
10KPT	display with keypad and touchscreen					
12T	display with touchscreen					
12KP	display with keypad and touchscreen					
12KPT	display with keypad and touchscreen					
CPU						
-8433	Socket 370 Celeron 433 MHz CPU					
-8700	Socket 370 Pentium III 700 MHz CPU					
-8850	Socket 370 Pentium III 850 MHz CPU					
DRAM						
128	128 MB DRAM					
256	256 MB DRAM					
512	512 MB DRAM					
Power Supply						
blank	AC power supply					
-24V	24 volt DC power supply					
Floppy Drive						
blank	No floppy (Note: Removable floppy drive, not compatible with -F, -CDF, or -CDWF options, can be ordered separately.)					
-F	Nonremovable floppy drive installed					
-CDF	Nonremovable external CD/floppy					
-CDWF	Nonremovable external CD-R/W & floppy					
Ethernet Connection						
blank	No Ethernet					
-N1	10Base-T/100Base-TX Ethernet					

ORDERING INFORMATION (CONTINUED)

OpenHMI IWSNT 3535 Industrial Workstations (3 ISA/PCI Slots)

OpenHMI IWSNT industrial workstations have a standard hard drive (20 GB minimum size).

Standard Configurations

3535(T or KPM)-HMI-8433128-2P-IWSNT

	3535	-HMI	-2P	-IWSNT
Operator Input				
T	display with touchscreen			
KPM	display with keypad and mouse			
KPMT	display with keypad, mouse, and touchscreen			
CPU				
-8433	Socket 370 Celeron 433 MHz CPU			
-8700	Socket 370 Pentium III 700 MHz CPU			
-8850	Socket 370 Pentium III 820 MHz CPU			
DRAM				
128	128 MB DRAM			
256	256 MB DRAM			
512	512 MB DRAM			
Power Supply				
blank	AC power supply			
-24V	24 volt DC power supply			
Floppy Drive				
blank	No floppy (Note: Removable floppy drive, not compatible with -F, -CDF, or -CDWF options, can be ordered separately.)			
-F	Nonremovable floppy drive installed			
-CDF	Nonremovable external CD/floppy			
-CDWF	Nonremovable external CD-R/W & floppy			
Ethernet Connection				
blank	No Ethernet			
-N1	10Base-T/100Base-TX Ethernet			

OpenHMI IWSNT 3512KPM(T), 3515 Industrial Workstations (6 ISA/PCI Slots)

OpenHMI IWSNT industrial workstations have a standard hard drive (10 GB minimum size).

Standard Configurations

3512KPM(T)-HMI-8433128-3P-IWSNT

3515(T or KPM)-HMI-8433128-3P-IWSNT

	35	-HMI	-3P	IWSNT
Operator Input				
12KPM	12" display with keypad and mouse			
12KPMT	12" display with keypad, mouse, and touchscreen			
15T	15" display with touchscreen			
15KPM	15" display with keypad and mouse			
15KPMT	15" display with keypad, mouse, touchscreen			
CPU				
-8433	Socket 370 Celeron 433 MHz CPU			
-8700	Socket 370 Pentium III 700 MHz CPU			
-8850	Socket 370 Pentium III 850 MHz CPU			
DRAM				
128	128 MB DRAM			
256	256 MB DRAM			
512	512 MB DRAM			
Power Supply				
blank	AC power supply			
-24V	24 volt DC power supply			
CD-ROM Drive				
blank	No CD-ROM			
-CD	CD-ROM drive installed			
-CDW	CD-R/W drive installed			
Ethernet Connection				
blank	No Ethernet			
-N1	10Base-T/100Base-TX Ethernet			

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California Proposition 65 Warning—Lead and Lead Compounds

Advertencia de la Proposición 65 de California—Plomo y compuestos de plomo

Avertissement concernant la Proposition 65 de Californie—Plomb et composés de plomb

⚠ WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov.

⚠ ADVERTENCIA: Este producto puede exponerle a químicos incluyendo plomo y compuestos de plomo, que es (son) conocido(s) por el Estado de California como causante(s) de cáncer y defectos de nacimiento u otros daños reproductivos. Para mayor información, visite : www.P65Warnings.ca.gov.

⚠ AVERTISSEMENT: Ce produit peut vous exposer à des agents chimiques, y compris plomb et composés de plomb, identifiés par l'État de Californie comme pouvant causer le cancer et des malformations congénitales ou autres troubles de l'appareil reproducteur. Pour de plus amples informations, prière de consulter: www.P65Warnings.ca.gov.

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