

3500 Series Flat Panel Industrial PCs

DS-350003(J)



Xycom Automation's open solutions connect to other automation standards with industrial PCs that are tough enough for plant floor use. (Our standard PC configurations meet the strict specifications for use in hazardous locations and Europe's CE mark.) Based on CPU boards designed specifically for industrial automation, these systems provide the capabilities required by demanding applications. With an installed base of 200,000 systems, our industrial PC products are successfully applied in manufacturing and continuous process environments.

FEATURES

- Preloaded with MS-DOS®, Windows® 98, Windows NT®, or Windows® 2000 operating system
- Optional 10/100 BaseT Ethernet port
- Three or six ISA/PCI expansion slots
- 10.4" to 15" flat panel color displays
- Reprogrammable keypad, analog resistive touchscreen, or both for operator input
- Intel® Celeron® and Pentium® III processors (up to 850 MHz)
- Up to 512 MB DRAM
- CD-ROM, CDR/W, and floppy drive options
- 20 GB hard drive
- CompactFlash™ drive option
- Two USB ports
- RS-232 port
- RS-232 or RS-485 port
- PS/2 keyboard, PS/2 mouse
- VGA port
- IrDA-compatible infrared port
- NEMA 4/4X/12 and IP65 front panel
- UL listed for hazardous locations: Class I, Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G

Easy-to-Read, Sharp Displays

We offer a range of displays from 10.4" VGA to 15.0" XGA displays. An optional analog resistive touchscreen provides a flexible, easy-to-use interface for operator input. Keypad options provide legend and keycode flexibility while maximizing display space.

Higher Performance

Up to 850 MHz Pentium III processors available to drive the fastest and most demanding applications. An Ethernet option allows you to connect these units networks at startup with little effort.

Meets High Standards

To survive on the plant floor, our PCs meet NEMA 4/4x/12, FCC, UL, and European CE mark requirements. Xycom Automation also leads the industry in reliability, service, and support with an optional five year warranty unmatched in the industry.

Open Platform

With a preloaded Windows operating system, you can communicate with local or Ethernet connected products and databases through Microsoft and other enabling technologies—including ActiveX, OPC, and standard DDE. Exchange plant floor data with office applications and see what's happening from the plant floor to corporate headquarters.

Fits Your Needs

You can configure and reconfigure Xycom Automation's industrial PCs for nearly any application through a wide variety of standard technologies. Our industrial PCs make it easy for end users and vendors to use cost-effective industry-standard components, storage options, ISA/PCI expansion, and programmable keypads for application specific requirements.



PRODUCT CONFIGURATIONS



Model	3510KP(T)	3510T
Display	10.4" flat panel color display, 640 x 480 (VGA)	10.4" flat panel color display, 640 x 480 (VGA)
Operator Input	63-position keypad (touchscreen option)	Analog resistive touchscreen
Processor	Intel® Celeron, Pentium® III	Intel® Celeron, Pentium® III
Preloaded OS	MS-DOS®, Windows NT®, Windows® 98, 2000	MS-DOS®, Windows NT®, Windows 98, 2000
Ethernet	Option	Option
Expansion	One ISA, one PCI, one shared (ISA or PCI)	One ISA, one PCI, one shared (ISA or PCI)



Model	3512KP(T)	3512T
Display	12.1" flat panel color display, 800 x 600 (SVGA)	12.1" flat panel color display, 800 x 600 (SVGA)
Operator Input	63-position keypad (touchscreen option)	Analog resistive touchscreen
Processor	Intel® Celeron, Pentium® III	Intel® Celeron, Pentium® III
Preloaded OS	MS-DOS, Windows® 98, Windows NT®, Windows® 2000	MS-DOS, Windows® 98, Windows NT®, Windows® 2000
Ethernet	Option	Option
Expansion	One ISA, one PCI, one shared (ISA or PCI)	One ISA, one PCI, one shared (ISA or PCI)

PRODUCT CONFIGURATIONS



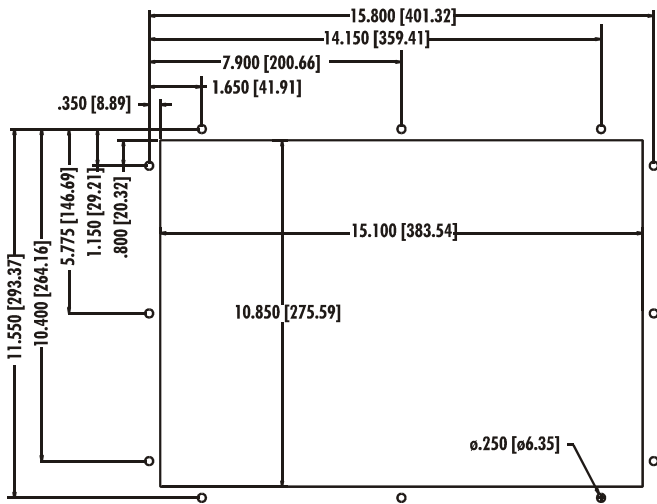
Model	3535KPM(T)	3535T
Display	15" flat panel color display, 1024 x 768 (XGA)	15" flat panel color display, 1024 x 768 (XGA)
Operator Input	74-position keypad and industrial mouse (touchscreen option)	Analog resistive touchscreen
Processor	Intel® Celeron, Pentium® III	Intel® Celeron, Pentium® III
Preloaded OS	MS-DOS®, Windows NT®, Windows 98, 2000	Microsoft® DOS, Windows® 95, Windows® 98, Window NT®
Ethernet	Option	Option
Expansion	One ISA, one PCI, one shared (ISA or PCI)	One ISA, one PCI, one shared (ISA or PCI)



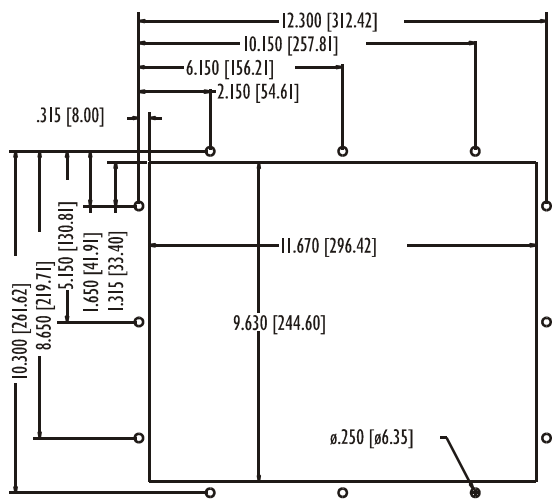
Model	3515KPM(T)	3515T
Display	15" flat panel color display, 1024 x 768 (XGA)	15" flat panel color display, 1024 x 768 (XGA)
Operator Input	74-position keypad and industrial mouse (touchscreen option)	Analog resistive touchscreen
Processor	Intel® Celeron, Pentium® III	Intel® Celeron, Pentium® III
Preloaded OS	MS-DOS, Windows® 98, Windows NT®, Windows® 2000	MS-DOS, Windows® 98, Windows® NT®, Windows® 2000
Ethernet	Option	Option
Expansion	One ISA, one PCI, one shared (ISA or PCI)	Three ISA, two PCI, and one shared (ISA or PCI)

PRODUCT AND MOUNTING DIMENSIONS

3510KP(T) Mounting



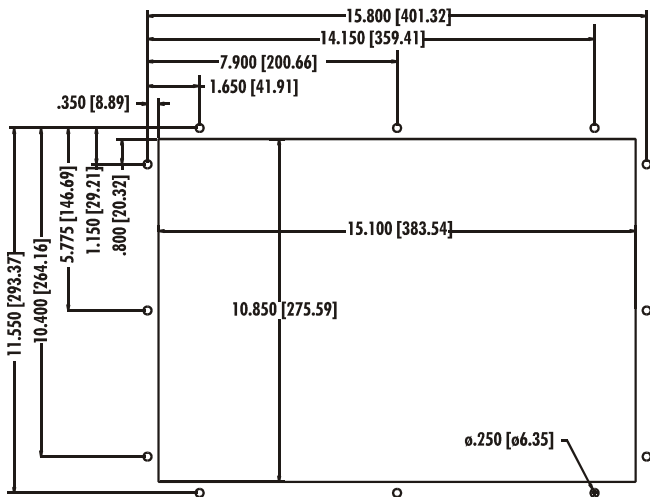
3510T Mounting



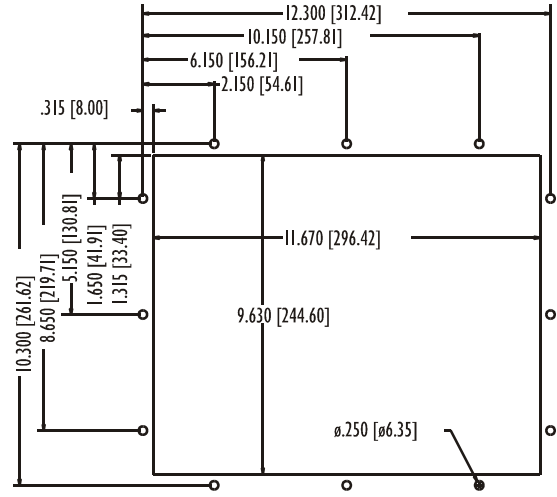
3510 Unit Dimensions

Model	3510KP	3510T
Height	12.25" (311.5 mm)	11.00" (279.4 mm)
Width	16.50" (419.1 mm)	13.00" (330.2 mm)
Depth ¹	6.71" (170.4 mm)	6.51" (165.3 mm)
Mounting Depth ¹	5.71" (145.0 mm)	5.76" (146.3 mm)
Weight	16 lbs (7.2 kg)	16 lbs (7.2 kg)

3512KP(T) Mounting



3512T Mounting



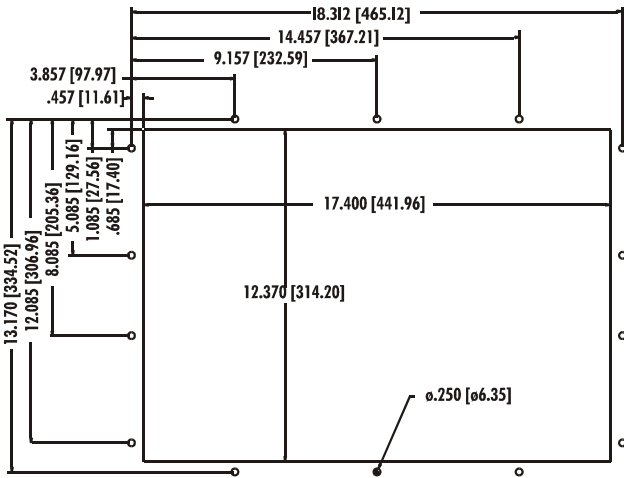
3512 Unit Dimensions

Model	3512KP(T)	3512T
Height	12.25" (311.5 mm)	11.00" (279.4 mm)
Width	16.50" (419.1 mm)	13.00" (330.2 mm)
Depth ¹	6.71" (170.4 mm)	6.51" (165.3 mm)
Mounting Depth ¹	5.71" (145.0 mm)	5.76" (146.3 mm)
Weight	16 lbs (7.2 kg)	16 lbs (7.2 kg)

PRODUCT AND MOUNTING DIMENSIONS

3515KPM(T) and 3535KPM(T) Mounting*

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



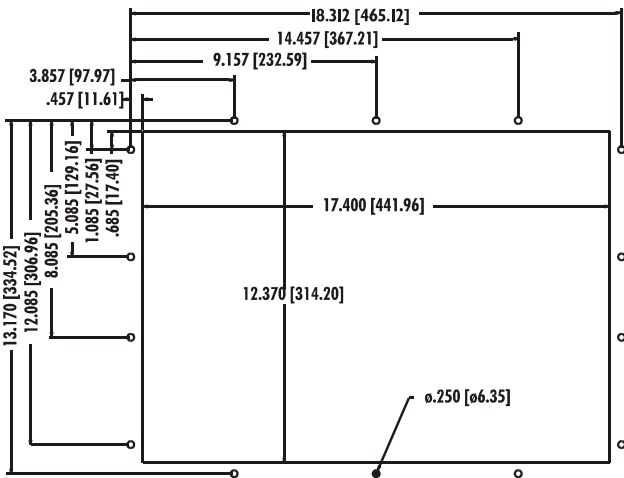
3515KPM(T) Unit Dimensions

Model	3515KPM(T)
Height	14.20" (360.7 mm)
Width	19.00" (482.6 mm)
Depth	10.0" (254 mm)
Mounting Depth	9.00" (228.6 mm)
Weight	42 lbs (18.9 kg)

3515(T) Unit Dimensions

Model	3515(T)
Height	14.20" (360.7 mm)
Width	19.00" (482.6 mm)
Depth	9.75" (254 mm)
Mounting Depth	9.00" (228.6 mm)
Weight	42 lbs (18.9 kg)

3515(T) and 3535(T) Mounting*



3535(T) Unit Dimensions

Model	3535(T)
Height	14.20" (360.7 mm)
Width	19.00" (482.6 mm)
Depth¹	6.64" (168.6 mm)
Mounting Depth¹	5.89" (149.6 mm)
Weight	25 lbs (11.3 kg)

3535KPM(T) Unit Dimensions

Model	3535KPM(T)
Height	14.20" (360.7 mm)
Width	19.00" (482.6 mm)
Depth¹	6.64" (168.6 mm)
Mounting Depth¹	5.89" (149.6 mm)
Weight	25 lbs (11.3 kg)

¹ 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.

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	15g peak acceleration, 11 msec duration	30g peak acceleration, 11 msec duration
Vibration 5-2000 Hz ^a	.006" peak to peak displacement 1.0g maximum acceleration	.015" peak to peak displacement 2.5g maximum acceleration
Altitude	Sea level to 10,000 ft.	Sea level to 40,000 ft.

^aThese values are with solid state hard drives and not rotating media drives.

Electrical

	Units with 3-slot backplane and Intel processors	Units with 6-slot backplane
Power Supply	80 Watt power	200 Watt power
AC Power	115 - 230V AC, autoranging, 50-60 Hz, 3.0A (maximum)	115 - 230V AC, autoranging, 50-60 Hz, 6.3A (maximum)
DC Power	20 - 36V DC, 24V nominal, 10A (maximum)	19 - 30V DC, 24V nominal, 16.0A (maximum)
Available Power ^{bc}	+5V@1.54A +12V@1.82A -12V@.72A	+5V@10.6A +12V@4.88A -5V@.76A -12V@.46A

^bTotal not to exceed 36 Watts for units with 3-slot backplane and Intel processors

^cTotal not to exceed 100 Watts for units with 6-slot backplane

Front Panel

- NEMA 4/4X/12 and IP65

Regulatory Compliance

CE

- EN 55022: Class A
- EN 50082-2
- EN 60950

FCC

- 47 CFR, Part 15, Class A

Safety Agency Approvals

UL

- UL 1950
- UL 1604

cUL

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

Product certification documentation available at:
www.xycom.com/certifications



ORDERING INFORMATION

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

Example Order Number

Base Order Number	Description
3535KPM-8B700128-NT	3500 series industrial PC with 3-slot ISA/PCI backplane, 15.0" TFT color display, Socket 370 700 MHz Pentium III, reprogrammable keypad, industrial mouse, 128 MB RAM, preloaded with Windows NT® operating system

3-slot ISA/PCI Product Configurations

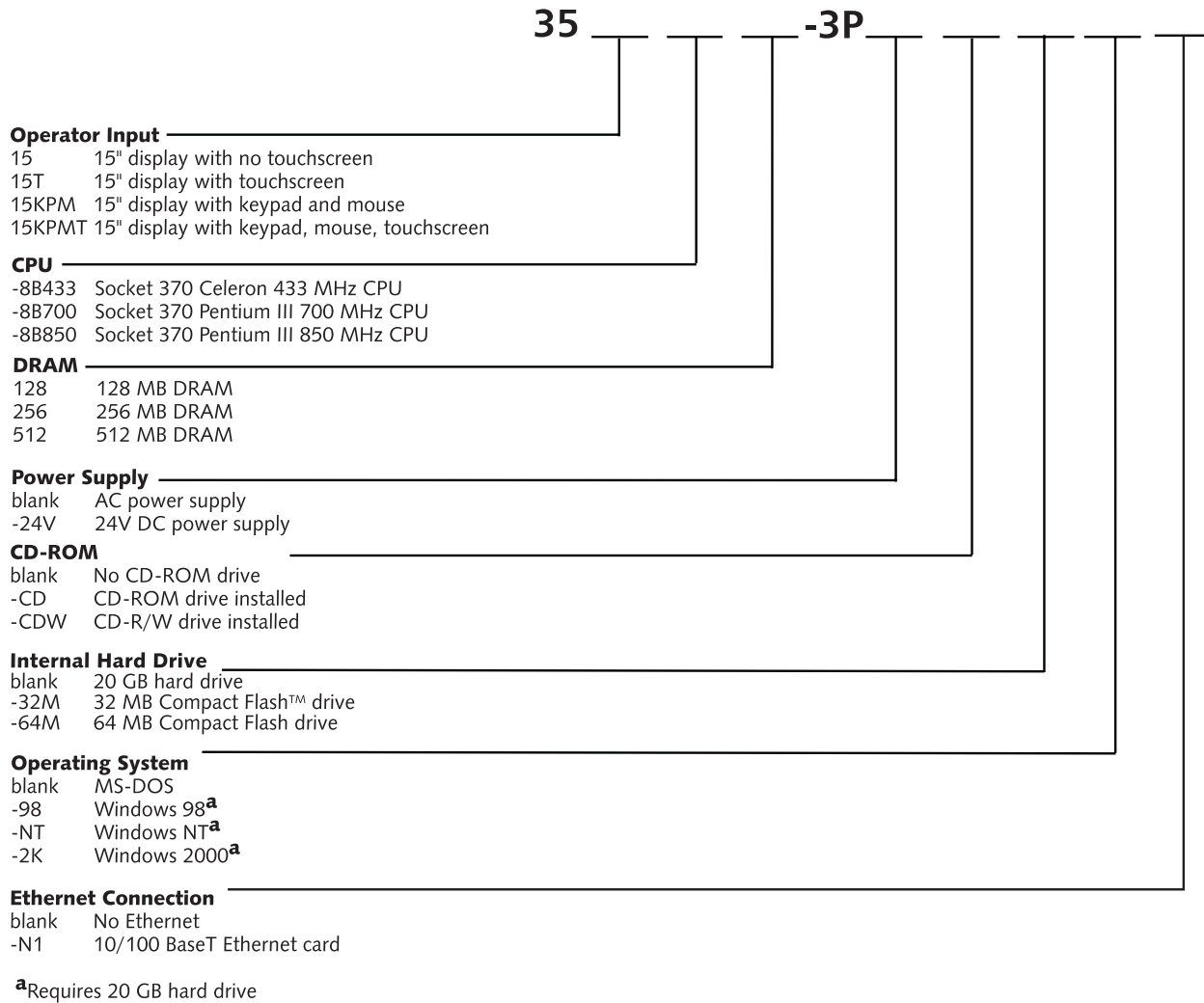
		35	-2P					
Operator Input								
10	10" display with no keypad or touchscreen							
10T	10" display with touchscreen							
10KP	10" display with keypad							
10KPT	10" display with keypad and touchscreen							
12	12" display with no keypad or touchscreen							
12T	12" display with touchscreen							
12KP	12" display with keypad							
12KPT	12" display with keypad and touchscreen							
35	15" display with no touchscreen							
35T	15" display with touchscreen							
35KPM	15" display with keypad and mouse							
35KPMT	15" display with keypad, mouse, and touchscreen							
CPU								
-8B433	Socket 370 Celeron 433 MHz CPU							
-8B700	Socket 370 Pentium III 700 MHz CPU							
-8B850	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	24V DC power supply							
Floppy Drive^a								
blank	No floppy							
-F	Nonremovable floppy installed							
-CDF	Nonremovable external CD/floppy							
-CDWF	Nonremovable external CD R/W/floppy							
Internal Hard Drive								
Blank	20 GB hard drive							
-32M	32 MB Compact Flash drive							
-64M	64 MB Compact Flash drive							
Operating System								
Blank	MS-DOS							
-98	Windows 98 ^b							
-NT	Windows NT ^b							
-2K	Windows 2000 ^b							
Ethernet Connection								
blank	No Ethernet							
-N1	10/100 BaseT Ethernet card							

^aRemovable external floppy drive option sold separately (cannot use with -F, -CDF, or -CDWF options installed)

^bRequires 20 GB hard drive

ORDERING INFORMATION (continued)

6-slot ISA/PCI Product Configurations



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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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