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Find the *Pro-Face / Xycom 3535 KPM* at our website: ***Click HERE***

# 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 diisplays from 10.4" VGA to 15.0" XGA displays. An optional analog resistive touchscren 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.



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# 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) |



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# 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) |





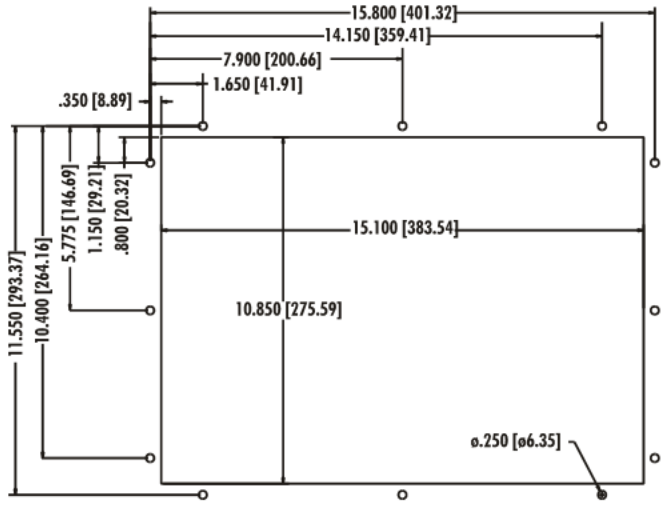
| Model | 3515KPM(T) | 3515T |
|---|---|---|
| Display | 15" flat panel color display, 1024 x 768 (XGA) | 15" flat panel color display, 1024 x 768 (XGA) |
| Operator Input | 74-position keypad and industrial mouse (touchscreen option) | Analog resistive touchscreen |
| Processor | Intel® Celeron, Pentium® 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) |



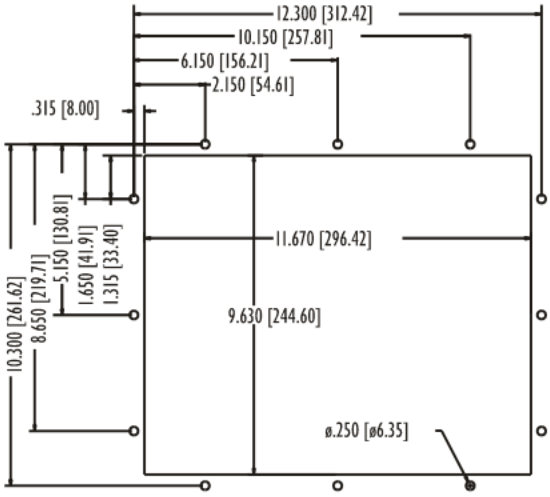
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# PRODUCT AND MOUNTING DIMENSIONS

## 3510KP(T) Mounting



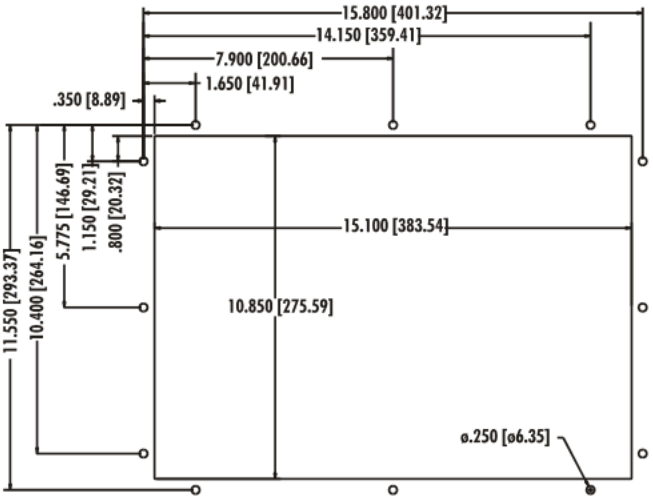

## 3510T Mounting



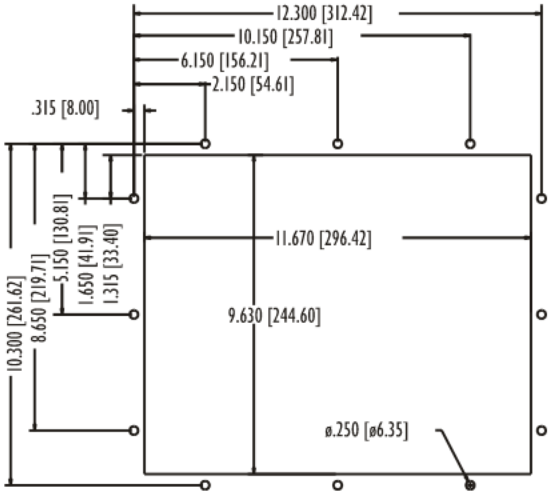

## 3510 Unit Dimensions

| 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

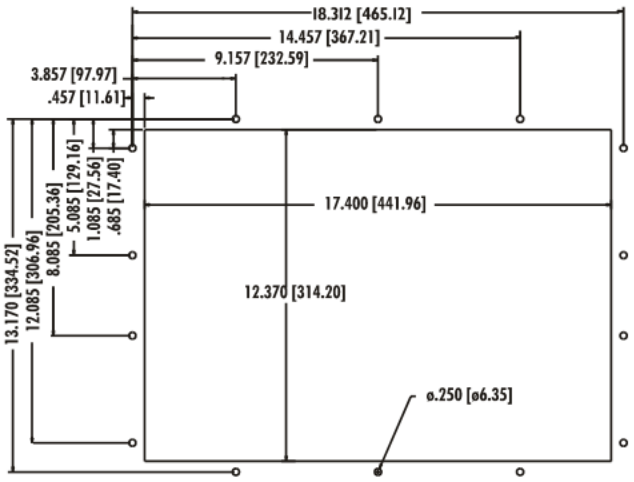
| Model | 3512KP(T) | 3512T |
|---|---|---|
| Height | 12.25" (311.5 mm) | 11.00" (279.4 mm) |
| Width | 16.50" (419.1 mm) | 13.00" (330.2 mm) |
| Depth[1] | 6.71' (170.4 mm) | 6.51" (165.3 mm) |
| Mounting Depth[1] | 5.71' (145.0 mm) | 5.76" (146.3 mm) |
| Weight | 16 lbs (7.2 kg) | 16 lbs (7.2 kg) |



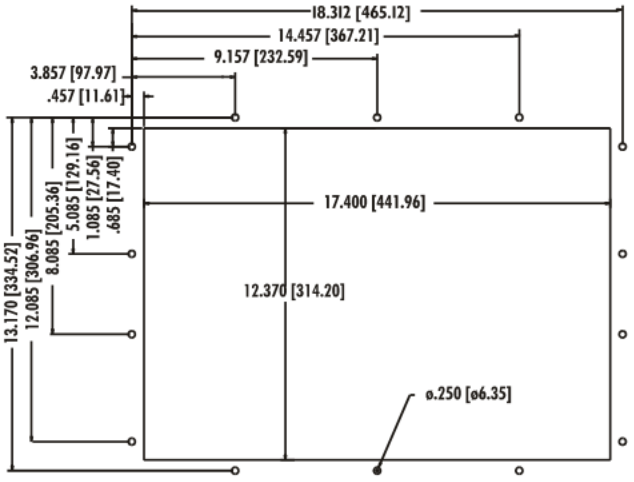
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# PRODUCT AND MOUNTING DIMENSIONS

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




## 3515(T) and 3535(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) |

## 3535(T) Unit Dimensions

| Model | 3535(T) |
|---|---|
| Height | 14.20" (360.7 mm) |
| Width | 19.00" (482.6 mm) |
| Depth[1] | 6.64" (168.6 mm) |
| Mounting Depth[1] | 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) |
| Depth[1] | 6.64" (168.6 mm) |
| Mounting Depth[1] | 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.

**All dimensions are in inches [millimeters]**



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# 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<br>1.0g maximum acceleration | .015' peak to peak displacement<br>2.5g maximum acceleration |
| **Altitude** | Sea level to 10,000 ft. | Sea level to 40,000 ft. |

[a] These 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<br>+12V@1.82A<br>-12V@.72A | +5V@10.6A<br>+12V@4.88A<br>-5V@.76A<br>-12V@.46A |

[b] Total not to exceed 36 Watts for units with 3-slot backplane and Intel processors
[c] Total 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**



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# 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 |

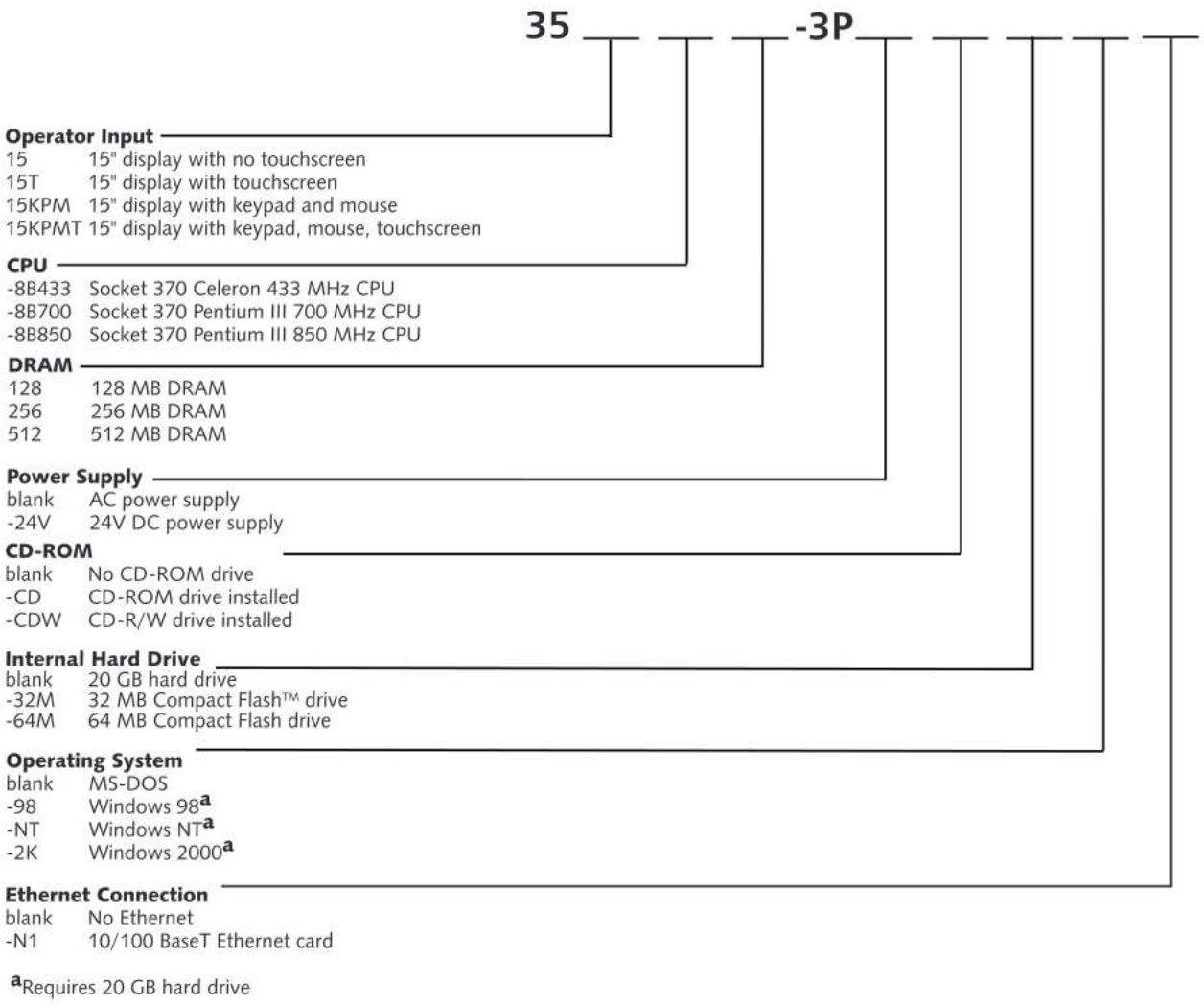
[a] Removable external floppy drive option sold separately (cannot use with -F, -CDF, or -CDWF options installed)
[b] Requires 20 GB hard drive



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## ORDERING INFORMATION (continued)

### 6-slot ISA/PCI Product Configurations




[a]Requires 20 GB hard drive


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