DS-154700(B)

1547 Heavy-Duty Industrial PC
without Integrated Display

CE (UL) c(UL)

Xycom Automation's newest generation of industrial PCs are designed and tested for the tough environments required for plant floor use. Our standard PC configurations meet the strict specifications required 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 over 300,000 systems, our industrial PC products are successfully applied in manufacturing and process environments world-wide.

FEATURES

- Intel® Celeron® M 1.3 GHz, 512 cache, 400 MHz system bus (optional Pentium® M 2.0 GHz, 2M cache, 533 MHz system bus)
- Up to 2 GB DRAM (512 MB standard)
- 80 GB minimum Serial ATA hard drive (optional dual hard drives)
- 4X AGP graphics with 32 MB video memory (shared with system memory)
- Four available full length expansion slots:
  - ◆ Three PCI expansion slots;
  - ◆ One PCI or ISA expansion slot
- 10/100, and 10/100/1000 Base-T Ethernet
- 4 USB 2.0 compliant ports (one additional 1.1 compliant port on front of KPM units)
- Three Serial Ports:
  - ◆ 2 RS-232;
  - ◆ 1 Selectable RS-232/422/485
- Rear accessible Type I/II CompactFlash™ socket
- DVD-R/W, and floppy drives
- UL, cUL, CE approvals
- UL listed for hazardous locations: Class I Division 2, Groups A, B, C, D; Class II Division 2, Groups F and G
- Windows® XP or Windows 2000 operating systems
- 100-240 VAC power supply (optional 24 VDC)
- 2-year warranty included

Higher Performance, Lower Power

The 1547 utilizes an Intel mobile processor providing superior processing power while utilizing half the wattage of a comparable Pentium 4 processor. The optional Pentium M 2.0 GHz processor (2 M Cache & 533 MHz system bus) out-performs a desktop Pentium 4, 2.4 GHz (512 K Cache & 533 MHz bus) while utilizing less than half the wattage. The increased processing power with less heat generation makes the 1547 ideal for most factory automation applications requiring a NEMA enclosure. Less wattage input into the system results in less temperature rise in the enclosure. With less temperature rise the maximum ambient operating temperature is more easily maintained, possibly without the need for expensive enclosure cooling devices.

Superior Video Performance

The on-board 4X AGP graphics controller defaults to 4 MB system RAM to allow resolutions up to 1280 x 1024. In addition the 1547 automatically shares up to 32 MB system RAM to allow full 32-bit color depth and fast 3D rendering.

Fits Your Needs

The 1547 can be configured many different ways. With four available expansion slots many cost effective, industry standard options are easily integrated. The optional dual hard drive, externally accessible CompactFlash, or RAID-enabled configuration provides the storage solution you require. Additionally the DVD-R/W provides even more storage and backup options.

Meets High Standards

To survive on the plant floor the 1547 meets FCC, UL, cUL, and European CE mark requirements for industrial automation equipment. Xycom Automation Industrial PCs lead the industry in reliability, service, and support with an optional five year warranty available.

Pro-face®
XYCOM™

With the cover removed expansion cards are easily installed in the 1547 without cumbersome cables to contend with.

Shelf Mounting

Wall Mounting

The 1547 unit has incorporated a simple to access hard drive mount. Simply loosen 2 captive screws and extract the hard drive. No cables to install or connect. Simply plug in the new drive. Optional dual hard drives or RAID-enabled configurations are also available.
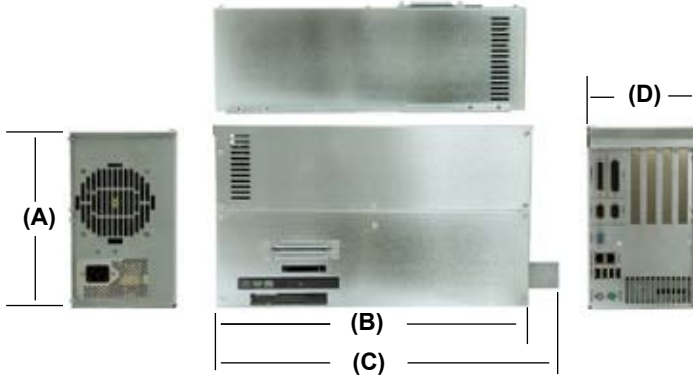
The 1547 offers several data storage options. The standard unit contains a single Serial ATA hard drive. Dual hard drives are optional, as is a RAID-enabled configuration. Also, the externally accessible TypeI/II CompactFlash can be ordered with the operating system pre-loaded for a solid state alternative. The 1547 offers a DVD-R/W, or a floppy for your choice of removable media drives. In addition, the 4 USB 2.0 ports can be utilized to add many commercially available external devices.

Externally Accessible Compact-Flash™
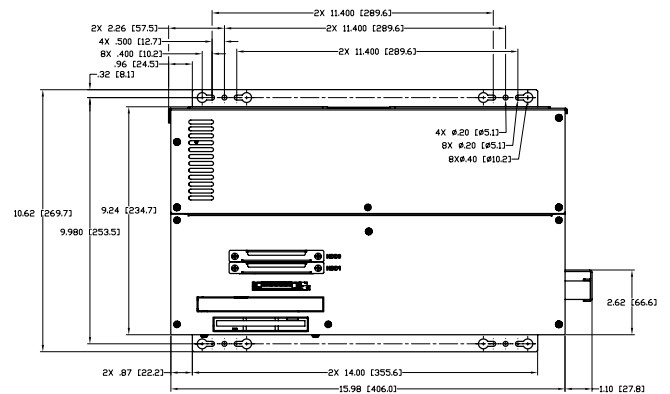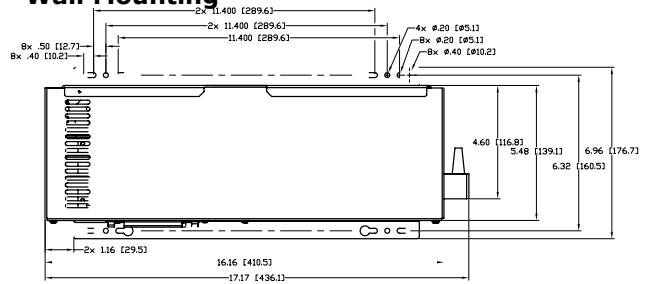
1547 Unit Dimensions

Model	1547
Height (A)	9.18" (233.17 mm)
Width (B)	16.16" (410.46 mm)
Width (C)	17.18" (436.37 mm)
Depth (D)	5.48" (139.2 mm)
Weight	18 lbs (8.2 kg)

Wall Mounting

Model	1547
Processors	Intel® Celeron® M 1.3 GHz or optional Pentium M
Preloaded OS	Windows® XP or Windows® 2000 (multi-language)
Expansion	Three full length PCI and One full length PCI or ISA expansion slots

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 [b]	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.
[b] Consistent with internal component specifications.

Electrical

	AC	DC
Power Supply	250 Watt AC 100-240 VAC, 50-60 Hz, 74 Watt nominal power [†]	24 VDC 19-36 VDC, 54 Watts nominal power [†]
Available Expansion Power	+3.3V 4.0A maximum +5V 4.0A maximum -5V 160mA maximum +12 3.0A maximum -12 240mA maximum	+3.3V 4.0A maximum +5V 4.0A maximum -5V 160mA maximum +12 3.0A maximum -12 240mA maximum

[†] Nominal Power is measured for a base configuration only. Any additional expansion and/or devices will increase the input power required.

Compliance

Regulatory Compliance:

CE
- EN 55022: Class A
- EN 61000-6-2
- EN61000-3-2, Class A
- EN61000-3-3
- IEC 60950-1

FCC
- 47 CFR, Part 15, Class A

CE CE (UL) c(UL)

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

Safety Agency Approvals:

UL
- UL 508 Listed
- UL 1604 Listed [a]

CUL
- CSA-C22.2, #142 Listed
- CSA-C22.2, #213 Listed [a]

[a] Class I Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Temp. Code: T6

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

Example Order Number

Order Number	Description
1547-1300-512-DVDW-XP	1547 Industrial "Node" PC, Intel® Celeron® M 1.3 GHz CPU (512K Cache, 400 MHz bus), 512 MB DRAM, 80 GB minimum Serial ATA Hard Drive, Rear Access Type I/II CompactFlash socket, Windows XP, On-board 10/100 and 10/100/1000 BaseT Ethernet and USB, three PCI, and one PCI or ISA full length expansion slots.

1547 - _ _ _ _ _ _ _

CPU
1300　Celeron M 1.3 GHz, 512K Cache, 400 MHz bus
2000　Pentium M 2.0 GHz, 2M Cache, 533 MHz bus

DRAM
-512　512 MB DRAM
-1000　1 GB DRAM
-2000　2 GB DRAM

Power Supply
Blank　AC Power Supply
-24V　24 VDC Power Supply

Internal Hard Drive
Blank　Internal 80 GB (min.) Serial ATA Hard Drive
-ND　No Internal Hard Drive [a]
-DHD　Dual Internal 40 GB (min.) Serial ATA Hard Drives

Rotating Media Drives [c]
Blank　No Rear Access Media Drive
-DVDW　Rear Access Read/Write DVD-ROM Drive [b]

Floppy
Blank　No Floppy Installed [c]
-F　Rear Access Floppy Installed

Externally Accessible CompactFlash
Blank　Nothing Installed
-4GCF　4 GB CompactFlash Installed [d]

Operating System
-XP　Pre-Activated Windows XP Professional
-2K　Windows 2000 (multi-language)
-NOS　No Operating System loaded

Warranty Information
The 1547 series carries a two-year parts & labor warranty.

[a] 4GB CompactFlash option must be chosen when selecting the -ND option. [b] When ordering DVDW options and No Operating System all required drivers will not be loaded and devices will not function properly. [c] When ordering a unit with no floppy operating system recovery will not be possible without adding an external USB floppy drive. [d] When ordering CompactFlash and no internal hard drive the operating system will be loaded on the CompactFlash. This is not recommended when applications are storing data.

Important Notice for XP configurations: Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of this computer, or may be completed by Internet or telephone (toll charges may apply).

Xycom Automation
734-429-4971
Fax: 734-429-1010
http://www.xycom.com

Customer Support Hotline:
734-944-0482

Pro-face®
XYCOM™

© 2006 Xycom Automation. Specifications may change without notice.
Xycom Automation is a trademark of Xycom Automation. Other brand or product names are the property of their respective owners.

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.

Schneider Electric