4715 Industrial PCs

DS-471500(D)

with Integrated 15.0" LCD Displays

Pro-face America's newest generation of Xycom 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

- 15.0" XGA TFT color flat panels
- Reprogrammable keypad with integrated mouse, touchscreen only, or both
- 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 slot;
  ◆ 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 compatible 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
- NEMA 4/4x/12 front panel
- 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 2000 operating system
- 100-240 VAC power supply (optional 24 VDC)
- 2-year warranty included

Higher Performance, Lower Power

The 4715 series 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) outperforms a desktop Pentium 4, 2.4 GHz (512 K Cache & 533 MHz bus) while utilizing less than half the wattage. With less wattage input the ambient operating temperature is more easily maintained, possibly without the need for expensive enclosure cooling devices. This makes the 4715 series ideal for applications which require a NEMA sealed enclosure.

Easy-to-Read Display

The 4715 series units utilize a bright 15.0" XGA (1024 x 768) resolution TFT LCD display. In addition the 4715 units automatically share up to 32 MB system RAM to allow full 32-bit color depth and fast 3D rendering.

Fits Your Needs

The 4715 series 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 4715 series 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™

The 4715 series CPU section easily removes from the front panel and display unit without having to detach the front panel from the NEMA enclosure. The rear CPU section can be replaced with another very quickly. With the cover removed, expansion cards are easily installed without cumbersome cables to contend with.
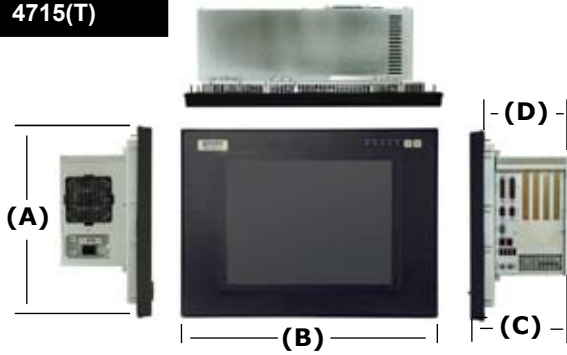
The 4715 units incorporates a simple to access hard drive mount. Simply loosen 2 captive screws and extract the hard drive. No cables to install or connect; simply plug in the new drive. Optional dual hard drives or RAID-enabled configurations are also available.

The 4715 series offers several data storage options. The standard unit contains a single Serial ATA hard drive. Dual drives are optional, as well as a RAID-Enabled configuration. Also, the externally accessible Type I/II CompactFlash can be used to further enhance your storage capabilities. The CompactFlash can be ordered with the operating system pre-loaded for a solid state alternative. The 4715 series offers a DVD-R/W, or a floppy for your choice of removable media drives. In addition, the 4 USB 2.0 ports (one additional 1.1 compliant port on front of KPM units) can be utilized to add many commercially available external devices.
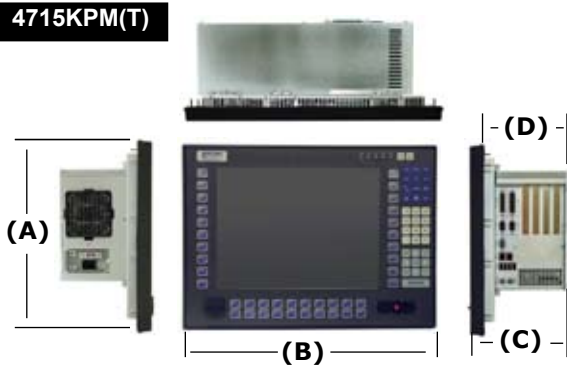
Externally Accessible CompactFlash™

4715(T)

4715 Unit Dimensions

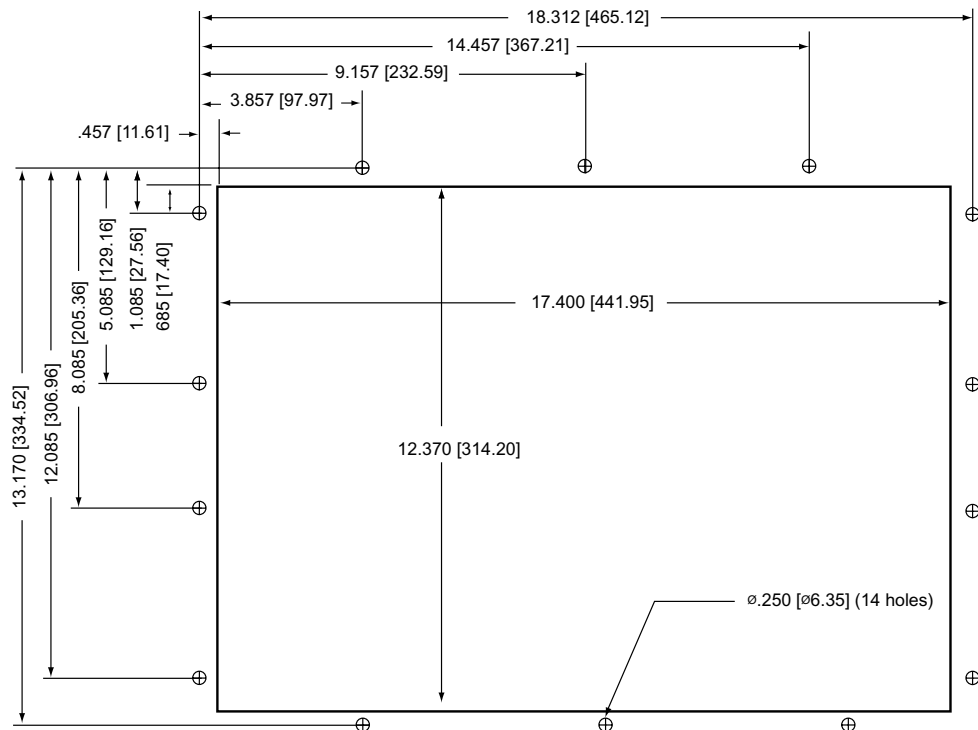| Model	4715T	4715KPM(T)
Height (A)	13.97" (354.8 mm)	13.97" (354.8 mm)
Width (B)	19.00" (482.6 mm)	19.00" (482.6 mm)
Depth (C)	7.64" (194.0 mm)	7.64" (194.0 mm)
Mounting Depth (D)	6.60" (167.6 mm)	6.60" (167.6 mm)
Weight	27 lbs (12.4 kg)	27 lbs (12.4 kg)

4715KPM(T)

4715 Unit Configuration

Display	15.0" LCD color display, 1024 x 768 (XGA)
Operator Input	Analog resistive touchscreen (**4715T**) Reprogrammable keypad and industrial mouse (**4715KPM**(**T**))
Processors	Intel® Celeron® M 1.3 GHz, 512 cache, 400 MHz system bus (optional Pentium® M 2.0 GHz, 2M cache, 533 MHz system bus)
Preloaded OS	Windows® XP or Windows® 2000 (multi-language)
Expansion	Three PCI full length expansion slots, One PCI or ISA full length expansion slot

4715T and 4715KPM(T) Cutout

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, 88 Watt nominal power [†]	24 VDC 19-36 VDC, 68 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
- EN 61000-3-2, Class A
- EN 61000-3-3
- IEC 60950-1

FCC
- 47 CFR, Part 15, Class A

Safety Agency Approvals

CUL
- 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

Front Panel

- NEMA 4/4X/12, IP65

CE (UL) c(UL)

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

Example Order Number

Order Number	Description
4715T-1300-512-RAID-DVDW-XP	4715T with Touchscreen front panel, Intel® Celeron® M 1.3 GHz, (512K Cache, 400 MHz bus), 512 MB DRAM, 80 GB minimum Hard Drive, Rear Access DVD R/W, Windows XP operating system, On-board 10/100 and 10/100/1000 BaseT Ethernet, and USB, three PCI full length expansion slots, and one PCI or ISA full length expansion slot.

4715 __ - __ __ __ __ __ __ __ __

Display and Operator Input
T — 15" w/ Touchscreen only
KPM — 15" w/ Keypad & Mouse
KPMT — 15" w/ Keypad, Mouse, & Touch

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
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 Compact Flash
Blank — Nothing Installed
-4GCF — 4 GB CompactFlash Installed [d]

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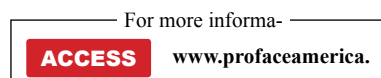-2K — Windows 2000 (multi-language)
-NOS — No Operating System loaded

[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).

Warranty Information
The 4715 series carries a two-year parts & labor warranty.

Pro-face America
Phone: 734.429.4971
Fax: 734.429.1010
www.profaceamerica.com

Customer Service Hotline: 734.944.0482

For more informa-
ACCESS www.profaceamerica.

Pro·face

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