

The DL470 Full-size PC

The new DL470 Industrial PC combines the functionality of an industrial PC in the shape and size of a PLC.

The hinged front panel provides easy access to 4 expansion slots (one full-size), making it perfect for motion control, fieldbus mastering, or other off-the-shelf PC cards.



FPM-150-TS LCD monitor
sold separately

Features

- **NEW!** Intel Celeron 400MHz or higher CPU
- **NEW!** 6.0 GB hard drive
- 1.44MB floppy disk drive
- 128MB pre-installed memory (max of 768MB)
- SVGA video controller with **NEW!** 4MB memory
- Two serial RS-232C ports
- One parallel port
- One Ethernet LAN 10BaseT port
- Two USB ports
- Expansion slots:
 - One full-size PCI/ISA slot
 - Two PCI half-size slots
 - One ISA half-size slot
- Keyboard and mouse

With a faster CPU, larger hard drive and more video RAM, the

DL470 is now an even better value.

For an ideal Industrial PC solution, couple the DL470 to one of our Industrial LCD monitors (NEMA 4/12).

DL470 Models

D4-470-98

Windows 98 preinstalled

D4-470-NT

Windows NT preinstalled

D4-470-LKD

Windows 98 with
LookoutDirect development
pre-installed

D4-470-LKR

Windows 98 with
LookoutDirect runtime pre-
installed

D4-470-2K

Windows 2000 pre-installed

D4-470-2K-TDL

Windows 2000 version with
Think & Do pre-installed

D4-470E-NT*

Embedded NT pre-installed

D4-470E-NT-TD*

Embedded NT and Think & Do
preinstalled

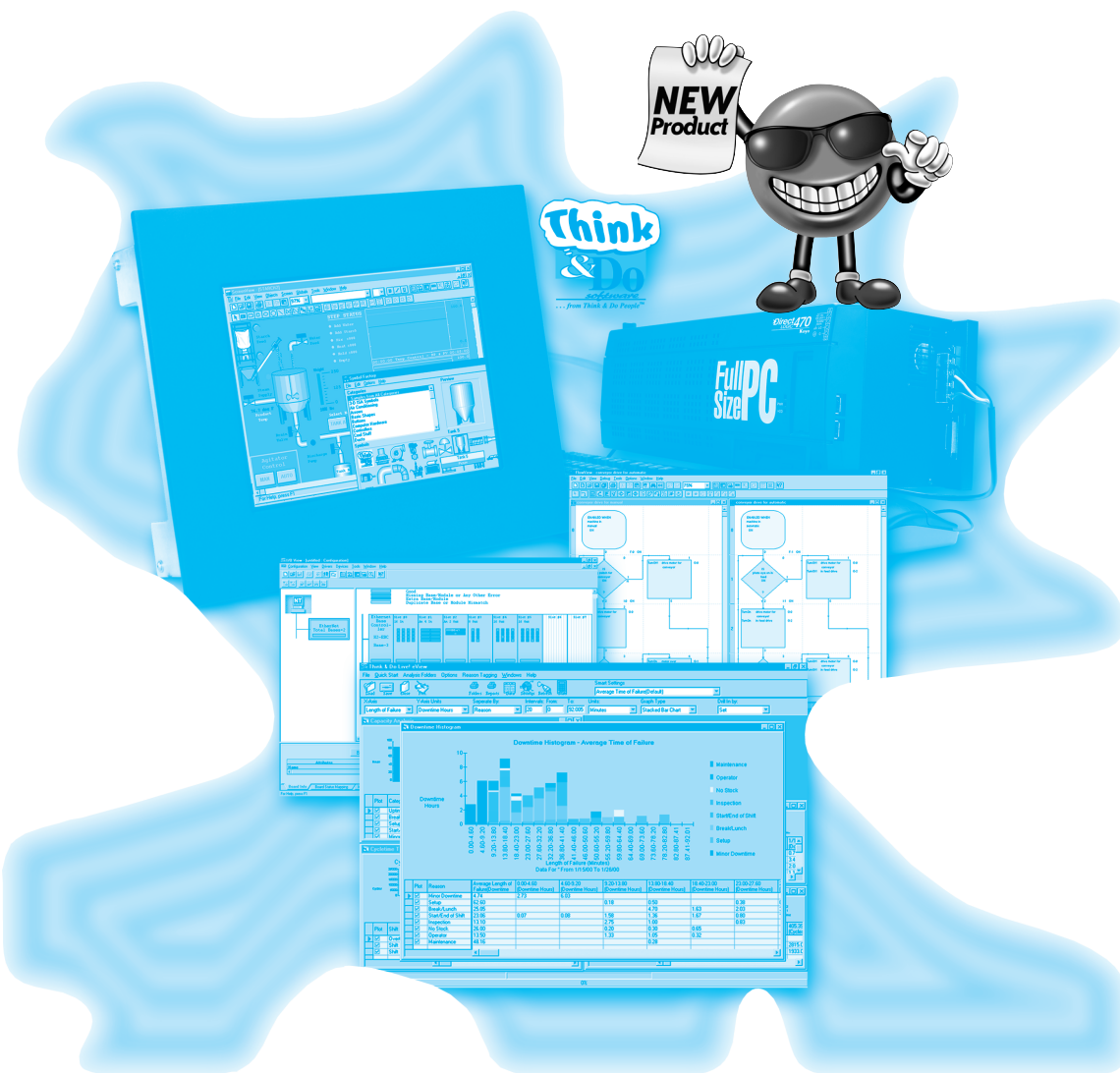
** Check website for specifications and
availability.*



DL470 Specifications

| General Specification | |
|--|--|
| External Power Supply | 94-120 VAC/190-240 VAC (Auto change) 50-60 Hz |
| Acceptable Range of External Power Supply | 85-132 VAC/170-265 VAC (Auto change) 47-63 Hz |
| Power Consumption | Max. 250 VA |
| Output of Internal Power Supply | Max. 5 VDC/15 A, +12 VDC/2.3 A, -12 VDC / 0.1 A |
| Voltage/Current provided to the Expansion Cards | Max. 5 VDC/8.0 A, +12 VDC/2.1 A, -12 VDC / 0.08 A |
| Acceptable External Power Drop | Max. 10 ms |
| Operating Temperature | 5-45 °C |
| Storage Temperature | -20-60 °C |
| Operating Humidity | 30-80% |
| Storage Humidity | 30-90% |
| Atmosphere | No corrosive gasses. UL 840, Level 2 |
| Vibration Resistance | Operating: Max. 2.45m/s ² , 3-200Hz (Sine wave) Not operating: MIL STD 810C, Method 514.2 (Max. 14.7m/s ² , 5-500Hz (Sine wave)) |
| Shock Resistance | Operating: MIL STD 810C, Method 516.2 Not operating: (147m/s ² , Half sine wave, 11ms) |
| Voltage Withstand | 1500VAC, 1 minute |
| Insulation Resistance | 500VDC, 10 MΩ |
| Noise Immunity | Complies with NEMA ICS3-304, impulse 1us 1000VC C CLASS A RFI (145MHz, 435MHz) |
| Size | 5.9"H x 17.36"W x 6.3"D (150mm x 441mm x 160mm) |
| Weight | 11.5 lb (5.2 kg) |

| Functional Specification | |
|----------------------------|--|
| CPU | Intel Celeron Processor 400MHz or higher |
| BIOS | AWARD: Flash BIOS, Plug & Play supported |
| Chip Set | Intel 440BX |
| Main Memory | 168pin DIMM slot x 3 SDRAMM 64MB pre-installed in one slot 16, 32, 64, 128 and 256MB DIMM are available (Max. 768MB) |
| 2nd Cache | On-CPU L2 cache 128KB |
| Video Port | ATI: 3D Rage Pro Turbo VGA controller, Display memory 4MB Max. 1280 x 1024, 24bit colors Max. 1152 x 864, 32bit colors , 15 pin VGA connector |
| Keyboard/Mouse Port | PC/AT keyboard supported (MINI DIN 6 pin) D4-470 has a convert cable (MINI DIN 6P --> DIN 5P + MINI DIN 6P) as an accessory. A keyboard and a mouse can be used simultaneously with this cable. |
| FDD | 3.5" FDD (1.44MB/720KB) x 1 |
| IDE HD Interface | 2.5" HD bay x 2 (One bay has a 6.0GB HD, another bay is empty.) The height of HD must be less than 9.5mm. Transfer speed:16.67 MB/sec (PIO transfer mode 4) 33 MB/sec (Ultra DMA/33 transfer) |
| Serial Port | 2 Ports COM1, 2: RS-232C, 9 Pin D-sub connector 16C550 compatible UART, Max. 115.2 kbps |
| Parallel Port | 1 port (on the left side), 25 pin D-sub connector |
| SCSI Port | Not applicable – no SCSI Interface on motherboard |
| LAN port | 1 port (on the left side) RJ-45 connector Chipset: Intel 82558, Supports 10/100Base-T Ethernet networking |
| USB port | Supports 10/100Base-T Ethernet networking USB type A connector, USB Rev 1.0 |



PC-470-PKG1

The Affordable Alternative to big PLC Control Solutions

We have put together a controls solution bundle that will satisfy the wants of the die-hard engineer and make any CFO smile.

First we start with Think & Do (PC-TND-LIVE) which contains all the software tools you need in one easy-to-learn and use package.

Next we installed Think & Do on our DL470 Industrial PC (D4-470-2K) designed to be ready-to-mount into your industrial enclosure just like a PLC.

Finally we added our new Industrial 15" LCD Touch Screen Monitor (FPM-150-TS). This practical touchscreen monitor has a rugged metal chassis, 200 Nit, TFT, 80/80 H&V viewing angle, 400 ppi, VGA interface, auto-scaling. In short, plug it in and it works great.