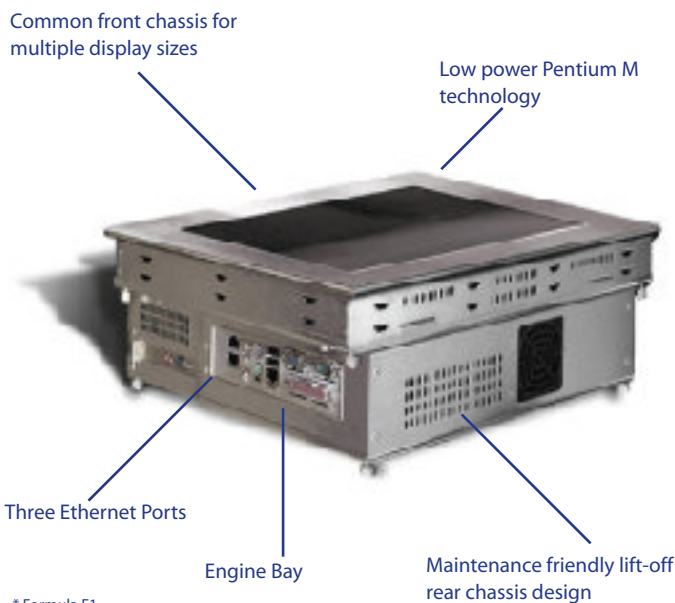


Formula 15" & 17" Panel PCs

The F1 and F3 introduce the panel-mounted touchscreen industrial PCs from Nematron's fully integrated family of Industrial Control Computers & Monitors. The Formula Panel PC combines flexibility, functionality, superlative quality and elegant design.

The Formula Concept

Formula = Display Module + Engine Bay + Media Bay



Three primary components characterize the system nature of Formula:

1. Display Module

Choose from a range of sizes

2. Engine Bay

Select leading processor, motherboard and memory technology

3. Media Bay

Potential to increase device functionality with extra media storage, specialist I/O cards or customer specified configurations.

The Nematron Formula touch screen Panel PC range is based on a high quality, zinc plated chassis design for factory floor and Industrial IT applications. The Display Module available with either Sheet Steel or Stainless Steel front bezel currently supports interchangeable 15" and 17" TFT displays with designed-in growth to support a 19" display, facilitating in-field flexibility.

The slim profile F1, designed for HMI applications, features low power Pentium M and Celeron M technology plus an exhaustive range of memory options. An innovative drive carrier design will support a 2.5" HDD, a Floppy Drive, a Slim CDRW/DVD and a second HDD simultaneously. Add to this a 2D/3D Graphics Engine with 64MB, 3 Ethernet ports up to 1000 Mbps Ethernet Controller and features such as the maintenance friendly lift-off rear chassis design and we know you'll get the right Formula!

Using the same core components as the single PCI Slot F1, the F3 brings increased expansion through the addition of two further PCI slots. For simplicity and ease of maintenance, the F3 shares the same drive technology and general electronics as the F1 and is interchangeable in almost every respect, Display Modules, cut-outs, general dimensions, components and panel cut-out compatible with the Delta Series. The F3 Engine Bay shares the same low power Pentium & Celeron M Series processor technology for cool running and the energy conscious Formula has an 'on-demand' processor activated Engine Bay cooling system to reduce consumption and unnecessary fan use.



Specifications

- 15" XGA TFT Display with 1024x768 resolution and 24 bit color
- 17" SXGA TFT Display with 1280x1024 resolution and 24 bit color
- On-Board Intel Extreme Graphics 2 Controller with 2D/3D Graphics Engine with 64MB memory
- Celeron M Processor 1.5 GHz
- Resistive Touch Screen
- F1 - One PCI Slot
- F3 - Three PCI Slots
- 256MB DDR memory, 40GB 2.5" HDD, and a Slim CDRW/DVD
- Three 10/100/1000 Mbps Ethernet Controller
- Two PS/2 ports for Mouse and Keyboard
- Two External USB 2.0 ports, two External RS-232C serial ports and one parallel port (ECP/EPP)
- Analog/CRT connector for Multiple Monitor Support
- Input Voltage: 100-240 VAC full range
- Operating Temperature 0-45 Degrees Celsius
- CE Certification
- UL pending

Configurable Options

Pentium M Processors, Memory expandable to 1GB, Hard Drive up to 100GB, Compact Flash Type 2 up to 1GB, Additional Removable Hard Drive up to 100GB, Floppy Disk Drive, Stainless Steel Front., 24 Volt DC power supply

How To Order

Display	CPU	Storage Two (Only F1 - 1 Slot, call for F3)	Option Bay 2	Options
5 15" TFT Display	F Celeron M 1.5GHz	0 Empty	0 Empty	0 No Options
7 17" TFT Display	M Pentium M 1.8GHz	1 Flashcard 256MB	A 2nd HDD 40GB	P Standard Steel Front no-logo
	P Pentium M 2.0GHz	2 Flashcard 512MB	B 2nd HDD 80GB	S Stainless Steel Front Panel with Nematron Logo
Expansion Slot	Memory	3 Flashcard 1GB	C 2nd HDD 100GB	N Stainless Steel Front Panel without Logo
1 1 PCI Slot	3 256MB DDR	4 Flashcard 2GB	H Removable HDD 40GB	V 24 Volt DC Power Supply
3 3 PCI Slot	4 512MB DDR		K Removable HDD 80GB	
Keyboard	5 1GB DDR	Drive Bay 1 & 3	L Removable HDD 100GB	
0 No Front Keyboard		0 No Drives		
		1 Slim Floppy Disk (No Slim CDRW/DVD)	Operating System	
Touchscreen	Storage One	2 Slim CDRW/DVD (No Slim Floppy Disk)	0 No O/S	
1 No Touchscreen	0 No Storage	3 Slim CDRW/DVD & Slim Floppy Disk	7 Windows 2000 Pro English	
6 ELO Touchscreen Controller (Serial)	H 40GB	4 DVD-RW Double Layer - No Slim Floppy Disk	B Windows XP Pro English	
	K 80GB	5 DVD-RW Double Layer & Slim Floppy Disk	C Windows XP Embedded English	
	L 100 GB			

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F1 & F3 DIMENSIONS

