

## Formula IF5000-IF7000 Series Industrial Panel PC

The F1 introduces 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**



### STANDARD FEATURES

- Celeron M/Pentium M, CoreDuo, Core 2 Duo Processors
- 1.0GHZ-2.33GHZ
- Resistive ELO Touch Screen
- 256MB Memory
- 40GB 2.5" HDD, Slim DVD-RW
- Multiple Monitor Support
- Two PS/2 ports for Mouse and Keyboard
- Two 10/100/1000 Mbps Ethernet Controller
- Four External USB 2.0 ports
- One RS-232C/422/485, one RS-232C serial port plus one parallel port (only SIS Chipset)
- One audio Channel
- 1 PCI Expansion Slot
- Voltage: 100-240 VAC full range
- Operating Temperature: 0-45 Degrees Celsius
- IP-65 Compliant Front Panel
- Power Supply CE and UL recognized
- RoHS Compliant

## Startling Performance

The Formula Series provides the perfect platform for application requiring a modular Panel PC system. Innovative chassis design, leading edge computer technology combined with high quality components and manufacturing processes make Formula ideal for the factory floor and demanding IT applications.

Formula is a complete system of compatible Display Modules and Engines (System Units) and a wealth of expansion options featuring a range of high performance Chipsets and Processors. Select from the powerful, cool running Celeron or Pentium M Series for classic industrial control applications or the startling performance of the Core 2 Duo processors, optimised for Microsoft Vista and especially suited for video intensive applications.

### SCREEN SIZES



17.0"  
SXGA TFT  
1280x1024 Resolution  
16M colours



15.0"  
XGA TFT  
1027x768 Resolution  
16M colours

## Formula IF5000-IF7000 Series Technical Specification

Processor	Embedded	M360	M745	M440	T2300	T5500	T7200	T7600
CPU Clock (GHz):	1.00	1.50	1.80	1.86	1.66	1.66	2.00	2.33
CPU	Celeron M	Celeron M	Pentium M	Celeron M	Core Duo	Core 2 Duo	Core 2 Duo	Core 2 Duo
Socket	479	479	479	M	M	M	M	M
L2 Cache	512K	1MB	2MB	1MB	2MB	2MB	4MB	4MB
Chipset	SIS © 661CX + SIS© 964	SIS © 661CX + SIS© 964	SIS © 661CX + SIS© 964	Intel 945GM	Intel 945GM	Intel 945GM	Intel 945GM	Intel 945GM
Front Side Bus	400/533	400/533	400/533	533/667	533/667	533/667	533/667	533/667
Video	Integrated in SIS661CX	Integrated in SIS661CX	Integrated in SIS661CX	Intel GMA 950	Intel GMA 950	Intel GMA 950	Intel GMA 950	Intel GMA 950
System Memory Max	2GB	2GB	2GB	4GB	4GB	4GB	4GB	4GB
Memory Type	DDR	DDR	DDR	DDRII	DDRII	DDRII	DDRII	DDRII

### Configurable Options:

- Celeron M, Pentium M, Core Duo, Core 2 Duo Processors
- No-Touch option
- Memory expandable to 2GB (Max 4GB DDRII)
- Fixed Hard Drive up to 120GB
- Additional Fixed or Removable Hard Drive up to 120GB
- Floppy Disk Drive
- Stainless Steel Front

- 24 Volt Power Supply
- Third/fourth Serial Port

### Supports Operating Systems:

- Windows 2000 Pro
- Windows XP Pro
- Windows XP Embedded
- Windows Vista Business

