

Nematron ICC Family iPCs

Our Most Expandable Compact iPC

Nematron's premiere hardware family is the Industrial Control Computer™ or ICC Family. These rugged, fully integrated PCs feature a hinged back chassis that can be quickly removed for installation and maintenance. The front panel has a high quality membrane keypad consisting of: 26 numeric, control and cursor keys; 26 programmable, relegendable alpha functions; and 16 reprogrammable function keys. A latching door provides access to drives and ports.

Built to withstand high temperatures, shock, and electromagnetic interference, these units are rated NEMA 4/4X/12 (when properly mounted in an enclosure) and have the customary CE Mark, UL, cUL and FCC certifications.



Nematron's powerful control and HMI software (see attached pages) can be preinstalled on any of our industrial PCs to deliver a complete, validated solution for discrete and process control, HMI and SCADA.



Base Specifications

- Anti-glare display
- Three ISA slots, three 3 PCI slots, and one shared slot
- Built-in I/O:
 - One 10/100 Base-T Ethernet with boot capability
 - Two USB 1.1 ports
 - Keyboard and mouse ports (PS/2)
 - Two RS-232 serial ports (one reserved for touchscreen)
 - One parallel port (ECP/EPP)
- Programmable 68-key alphanumeric keypad
- Heavy-duty steel construction, aluminum front bezel
- 0° to 50° C operating temperature
- 85-264 VAC auto-ranging power supply
- CE Mark, UL, cUL and FCC Part 15 Class A
- Rated NEMA 4/4X/12 at the front panel when properly mounted in an enclosure

Configurable Options

- Intel® Celeron® or Pentium® processor
- 64 MB RAM standard, expandable to 512 MB
- 60 GB hard drive, fixed or removable
- Floppy, CD-ROM, CD-RW or DVD
- 5-wire analog resistive touchscreen
- MS-DOS, WinNT, Win2K or WinXP
- Optional stainless steel bezel and 24VDC power supply



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| Model | Display | Resolution | Cutout W x H | Depth |
|----------|-----------------|----------------|---------------------------------------|------------------|
| ICC-5500 | 10.4" color TFT | VGA (640x480) | 15.03 in x 11.78 in (382 mm x 299 mm) | 9.10 in (231 mm) |
| ICC-6500 | 12.1" color TFT | SVGA (800x600) | 15.38 in x 12.75 in (391 mm x 324 mm) | 9.20 in (234 mm) |
| ICC-8500 | 15.0" color TFT | XGA (1024x768) | 16.77 in x 14.60 in (426 mm x 371 mm) | 9.94 in (253 mm) |