

Nematron PowerView HMI

Nematron PowerView™ is our family of HMI operator interface panels designed to bring you the best value in a cost-effective HMI. PowerView is ideal for applications with the need to display machine or process information graphically. A comprehensive library of drivers supports a broad range of PLCs and Motion Controllers.

PowerView HMIs are programmed with Nematron ViewBuilder, easy-to-use configuration software that can be downloaded free of charge from our Web site. ViewBuilder provides a powerful set of tools to allow simple to complex applications to be built. Tools include: graphical screen generator with Symbol Factory 2.0 library subset, alarms, trends, bar graphs, multi-state indicators, security, event logging, recipes, animation, popup windows, math and macro capability. Includes on-line and off-line simulation, simplifying the development task.



Two ways to test your HMI applications without uploading every change: use simulated I/O within the ViewBuilder software, or get real I/O by connecting to your PLC through the PowerView unit.



Nematron PowerView also supports master/slave communications, allowing multiple HMIs to interface with a single PLC or Servo Controller through a shared serial connection.



Wide range of display sizes to meet your needs!

Base Specifications

- Up to 200 MHz Intel® XScale processor with 4 MB DRAM
- Up to 2 MB non-volatile memory, for programs and recipes
- RS-232 and RS-485 serial ports
- Parallel port (ECP/EPP) on larger models
- Real-time clock with watchdog timer
- High-resolution analog resistive touchscreen
- 24VDC operation (direct input or 120VAC adapter)
- CE Mark and FCC Part 15 Class A
- Designed to be NEMA 4/12 and IP65 at the front panel when properly mounted in an enclosure

Configuration Software

- Nematron ViewBuilder software can be downloaded free of charge from Web site (www.nematron.com)
- Includes popular subset of Symbol Factory 2.0 object library

CHOOSE FROM FOUR BASE MODELS:

Model	Display	Resolution	Cutout W x H	Depth
PV-570L	5.7" monochrome	¼VGA (320x240)	7.56" x 5.43" (192 mm x 138 mm)	1.52" (39 mm)
PV-560T	5.6" Color TFT	VGA (320x234)	7.56" x 5.43" (192 mm x 138 mm)	1.88" (48 mm)
PV-800T	8.0" Color TFT	VGA (640x480)	8.74" x 5.43" (222 mm x 167 mm)	2.16" (55 mm)
PV-1040T	10.4" Color TFT	VGA (640x480)	11.88" x 8.86" (302 mm x 225 mm)	2.44" (62 mm)



PowerView Drivers and Controllers Supported

PLCs - Serial Protocols

- AB: DF1, DH485, PLC5, MicroLogix, ControlLogix
- Aromat: FP0, FP1, FP2, FP3, FP10SH, FPM
- Bristol Babcock: Network 3000, ControlWave
- Control Microsystems: SCADAPack
- Delta DVP
- Fuji: NB Series
- GE SNP-X
- Hitachi
- IDEC Micro
- Keyence: KV Series
- Koyo: K-Sequence
- LG Glofa Cnet, K10S1, K60S, Master-K 300S CPU, Master-K Cnet
- Matsushita: FP
- Mitsubishi: A Series, Melsec FX Series
- Omron: HostLink, Omron (485 2W)
- Samsung SPC-10
- Siemens S7/200, S7/300 HMI Adaptor, S7/300 PC Adaptor
- Simatic TI505
- Sharp: JW Series
- Telemecanique Unitelway
- Toshiba T Serial

Modbus RTU

- Modbus: RTU, Network (RTU 485 2W), Extended, RTU server
- Entertron Industries
- Giddings & Lewis
- Industrial Control Links
- International Parallel Machines
- Motorola (MOSCAD Family)
- Sixnet (SixTrak, Versatrak)
- Watlow Electric (CAS200, CLS200, MLS300, PPC2000 Families)

Other Serial Protocols

- ASCII

Motion Control Drivers

- Electric Motor Systems: Modus (G5)
- Emerson: Modbus (Axima, EN, Epsilon)
- IIS ESC
- Jetter Nano
- Lenze
- SAF: Modbus (OEM Sapphire)
- Safronics: Modbus (VG5)
- Trio Motion: Modbus (MC202, MC206, MC216, Euro205)
- Whedco: Modbus Extended (IMC, IMJ, S2K)
- Yaskawa: Memobus (MP Series)

Ordering Information

Nematron products are available worldwide through our network of factory-authorized distributors. For distributor contact information, please visit our website at www.nematron.com or call Nematron's Customer Care Center at the nearest regional sales office to you.

Nematron Delivers Total Solutions For Industrial Automation

Scalable industrial automation solutions are what Nematron delivers. With a full line of open architecture PCs, HMI/SCADA and PC-based Control software, PLC HMIs and Operator Panels, Nematron has the expertise to deliver powerful, flexible and cost-effective total automation solutions. During Nematron's 20-year history, over 125,000 systems have been installed including over 7,000 PC-based control systems and 20,000 HMI/SCADA systems. Nematron's customers take advantage of reduced life-cycle costs, improved machine/process flexibility, easier re-tooling/parts changeover, plus data integration from the plant floor into the enterprise. For complete product specification and more information on Nematron, please visit our Web site at www.nematron.com.

- Rugged Industrial PCs
- Touchscreen HMIs
- Operator Panels
- Graphical Workstations
- Industrial Monitors
- OpenView HMI/SCADA S/W
- OpenControl PC-Control S/W
- HyperKernel Real-time Extension for WinNT/2K
- Embedded Controllers
- Ethernet I/O
- Control System Design, Project Management and Installation Support



Nematron

International Office

17A Somerset House, Hussar Court
Waterlooville, Hampshire,
PO7 7SG, UK
Tel: +44 (0) 23 9226 8080
Fax: +44 (0) 23 9226 8081
Email: sales@nematron.net

US and Canadian Office

5840 Interface Drive
Ann Arbor, MI 48103
United States
Tel: 1.734.214.2000
Fax: 1.734.994.8074
Email: info@nematron.com