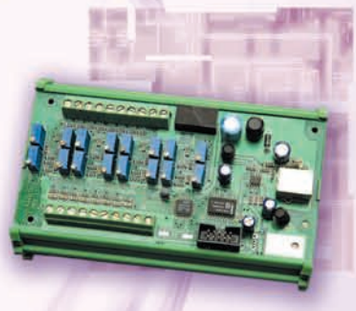
SEMITRONIK

PAC

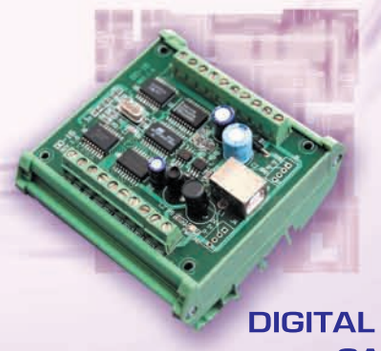
DIGITAL
INPUT CARD



ANALOGUE
INPUT OUTPUT CARD

PROCESS CONTROL APPLICATIONS

- *PROCESS CONTROL*
- *DATA ACQUISITION*
- *REMOTE MONITORING*
- *MACHINE VISION*



DIGITAL OUTPUT
CARD

PAC

PROGRAMMABLE AUTOMATION CONTROLLERS

- PAC = IPC + PLC + HMI
- Leverage the power of three in one
- Control, Monitor and Network your plant with same hardware
- Touch-Screen interface for user interaction
- High quality graphics for process visualization

PROGRAMMABLE AUTOMATION CONTROLLERS

SEMITRONIK with its years of experience in industrial automation has introduced a new range of products called PROGRAMMABLE AUTOMATION CONTROLLERS (PAC), as a more powerful alternative to traditional PLC systems used for process monitoring and control.

SEMITRONIK PAC is a PC-based controller running on the Windows CE / Embedded XP operating system, with a rugged design to work in harsh environment.
The hardware is designed with a compact form factor so that it can be easily mounted in a control panel. The user is provided with a touch-screen based interface to operate the panel and all the annunciations are provided in a graphical form on the color screen.

The basic PAC is accompanied by high speed digital and analogue input output cards for data acquisition and control.

The cards are interfaced to the PC using RS485, USB, Ethernet or Radio Frequency.
The cards are stackable, with electrical isolation and compact form factor to fit in a control panel.

The PAC is accompanied with PLC Design Studio to implement any form of PLC system. The software can be used to generate user-friendly mimic diagrams, graphs and reports. The software has an in-built VB script engine; using which the entire control logic of the system can be easily implemented.

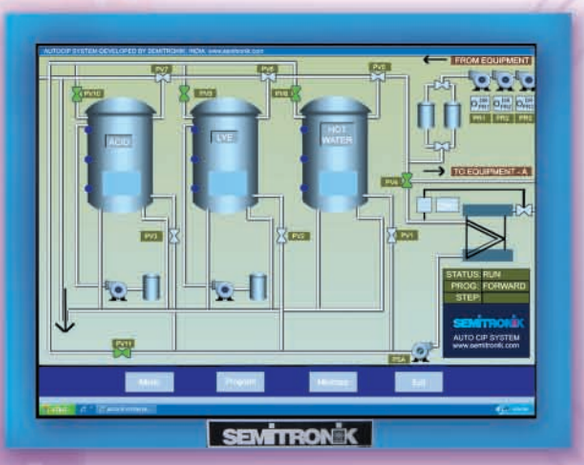
This automation methodology is a much low-cost solution to the traditional idea of using a PLC for general purpose automation with several added advantages –

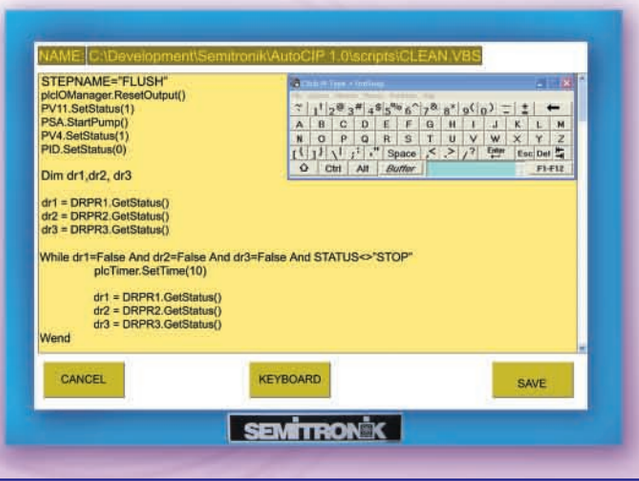
- ❍ More advanced and sophisticated control systems can be designed leveraging the power of the CPU in the PC.
- ❍ OPC (OLE for Process Control) – means that integration with any supervisory system is possible.
- ❍ A completely configurable and highly scalable programming environment can be provided to the end-user to modify/configure the system according to their requirement without the vendor's intervention.

- ❍ Using a color screen helps to provide much richer presentation.
- ❍ Touch-screen offers an easy and intuitive way to operate the panel than switches.
- ❍ These controllers can be easily linked over a LAN to develop a central data logging and monitoring system.
  Using such systems, the controllers can be remotely monitored and operated.
- ❍ Control logic, operating interfaces can be easily modified either on the fly or just by replacing files on the flash disk.
- ❍ Standard interfaces including Ethernet and USB makes physical connection easy and simple.
- ❍ Integrated UPS to automatically detect power down and ensure data integrity with safe shut down.

Technical Specifications:

- ❍ 6.4", 10.4" and 15" touch-screen LCD display.
- ❍ Embedded board supporting Windows CE / Embedded XP.
- ❍ 30 seconds of battery support with UPS.
- ❍ LAN, USB 2.0, RS232, PS/2 ports.
- ❍ Rugged mounting to withstand industrial environment.





For further details, contact

SEMITRONIK

Since our policy is of continuous development and improvement, we reserve the right to supply product which may differ from those illustrated & described in this publication.

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