Tough TouchPLC ™

The First and Only Touchpanel with Modular I/O Built-In
Save Panel Space, Save Cabling, Save Money

The concept of a flexible and modular PLC built inside touchpanel has resonated very well on the Indian sub-continent. Indian manufacturers produce the most output in the smallest places one can imagine, putting a big premium on panel space. In addition, smaller panels require less air conditioning/ cooling saving scarce energy. 6 inch HMI can have up to 48 modular plug-in I/O points whereas 8 inch and larger HMIs can have up to 64 modular plug-in I/O points. Both can be daisy chained to a maximum of 2048 I/O points. I/O can be Digital or Analog or Special purpose. Tough TouchPLC also has excellent communication capability to Profibus, Devicenet, Modbus RTU and many industrial protocols on Ethernet.

Wide variety of 8 pt. Plug-in I/O modules

1 **Choice of 4", 6", 8", 10" or 15" Display**

2 **24, 32, 48, 64 or 96 Plug-in I/O expandable to 2048**

3 **Wide selction of 8pt. Plug-in I/O modules, 26 to choose from**

4 **DeviceNet, Profibus or Ethernet I/P, Modbus TCP/IP, UT I/P comm. options**

Product Highlights

- Integrated Touchpanel and Modular PLC with single tag database and programming software using same programming port.
- Incredible 3-D graphical objects: pushbuttons, numeric entry, meters, line graphs, PID faceplates, etc. All are high-speed, vector-based objects with amazing scalability.
- Display text in up to nine different languages (user-selected by a push of a button!)
- Built-in Symbol Factory with over 4,000 symbols
- Screen and object password protection (eight user-defined levels)
- Unmatched alarm capability with history, count and details
- Recipe downloads to the PLC:20 values into 20 registers (fixed or variable)
- Floating-point numbers to and from PLC
- Built-in clock and calendar
- Bitmaps can be sized on the screen in the Programming Software
- Import/Export tags and messages to/from Excel or CSV files
- Export alarms to Excel or CSV file
- Multi-state Bitmap object (bit or word selectable)
- Multi-state Indicator/Message object (bit or word selectable) allows up to four embedded data variables in messages

- Bitmap Button object
- Scalable meters and bar graphs
- Floating point support for Meters, Bar Graphs, PID and Line Graphs
- User-selectable 3-D frames
- Password protected Alarms
- Extremely flexible 8 point I/O modules
- 64K PLC Program memory
- Extremely fast scan time: 3ms for 1k
- Powerful Ladder Logic Instruction Set
- 32 bit Floating Point Math with Trignometric functions
- Two RS422/485 Comm. ports
- 8 Auto-tuned PID loops
- Thermocouple, RTD I/O modules
- 250 KHz PWM modules
- Supports ASCII In/out
- Extremely cost effective Ethernet, Devicenet and Profibus options
- Extremely cost effective Analog I/O
- 100 KHz counter module
- Save as much as 35% on panel space
- Self-learn, EZ to use, low cost programming software