

Tri PLC is an OEM-focused supplier of programmable logic controllers that blends traditional ladder logic with TBASIC, a powerful sequential and special function instructional language embedded within the ladder structure. This dual-layer programming model is powered by Tri PLC’s proprietary development software, i-TRiLOGI.

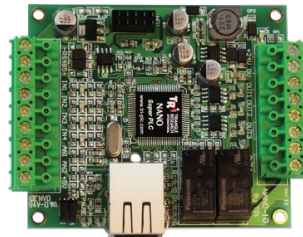
PLC Models range from basic low IO functionality (NANO10), to super PLC functionality (256 IO, FX2424), all with TBasic programming available.

Product Line



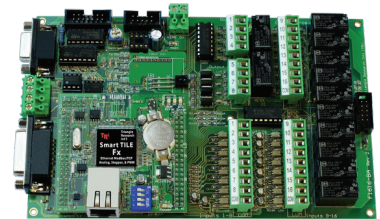
WX100

- Build Complete Controls into New Design, or Add IoT to Existing Equipment
- Wi-Fi-Modbus TCP Client/Server
- 1 x RS485-Modbus RTU master/slave
- HTTPS and MQTT Client
- Integrated Keypad HMI
- Digital and Analog I/O
- HSC / Interrupt / Stepper / PWM



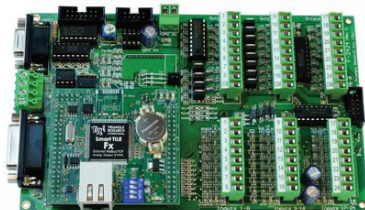
NANO 10

- Ethernet
- Modbus TCP Client/Server
- RS485
- Analog Inputs
- Digital I/O
- HSC / Interrupt / Stepper / PWM
- Web Interface



Fx1616-BA

- Ethernet
- Modbus TCP Client/Server
- RS485 / RS232
- Analog I/O
- Digital I/O
- HSC / Interrupt / Stepper / PWM
- FRAM Storage
- Floating Point



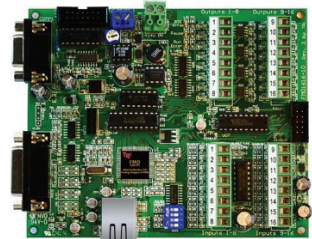
Fx2424

- Ethernet
- Modbus TCP Client/Server
- RS485 / RS232
- Analog I/O
- Digital I/O
- HSC / Interrupt / Stepper / PWM
- FRAM Storage
- Floating Point



FMD88-10

- Ethernet
- Modbus TCP Client/Server
- RS485 / RS232
- Analog I/O
- Digital I/O
- HSC / Interrupt / Stepper / PWM
- Web Interface



FMD1616-10

- Ethernet
- Modbus TCP Client/Server
- RS485 / RS232
- Analog I/O
- Digital I/O
- HSC / Interrupt / Stepper / PWM
- Web Interface

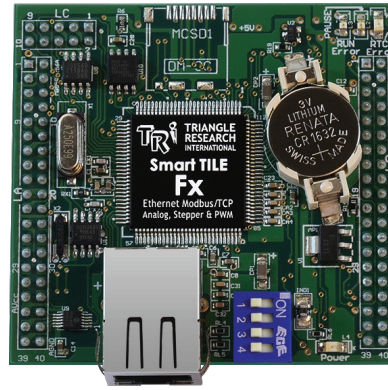
[Download our PLC Selection Chart >>](#)



Customization & Private Label Options

The SmartTILE-Fx (Smart TRI Integrated Logic Engine) is the core control board powering TRI's proven, top-of-the-line Fx-Series Super PLCs.

TRI has also made the SmartTILE-Fx available to OEMs of all sizes, enabling them to develop their own private-labeled, cost-effective, network-ready Super PLCs. OEMs can leverage the full flexibility, performance, and pre-engineered tools of an industrial-grade Super PLC—while creating a solution purpose-built to integrate seamlessly with their equipment.



SmartTILE-Fx

- Ethernet
- Modbus TCP Client/Server
- RS485 / RS232
- Analog I/O
- Digital I/O
- HSC / Interrupt / Stepper / PWM
- FRAM Storage
- Floating Point

Today, tens of thousands of SmartTILE-Fx-based custom PLCs are operating reliably 24/7 across North America and Europe, delivering dependable control in demanding industrial environments.

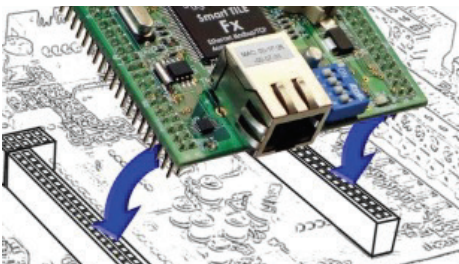
How to Get Started



Step 1: Choose a Development Kit

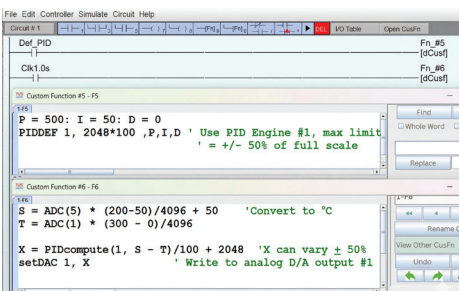
Each kit includes:

- FX1616-BA or Fx2424 SmartTILE-based PLC (two kit options)
- SmartTILE (additional unit), Software License
- USB to RS485 adapter for serial port development and testing
- Software License for i-TRiLOGI (compatible with all TRI PLCs and SmartTILE)
- Pin sockets for SmartTILE
- Complete SmartTILE Design Guide



Step 2: Design a Carrier Board

- Use our design services, or design in-house
- Create a board with I/O YOU need
- Even have multiple versions using the same SmartTILE brain board
- Integrate sensors and/or conditioners to reduce external components and cost
- Private-label the controller to make it YOURS



Step 3: Program Your Custom PLC

- Use our standard i-TRiLOGI ladder logic + TBASIC programming environment
- Avoid trying to utilize complex low-level languages
- Simple yet powerful ladder logic and TBASIC structured text programming
- Our PLC programming software is industry proven
- Start with evaluation version and build on it as you design the hardware

[Download our PLC Selection Chart >>](#)