



### FT1A SmartAXIS

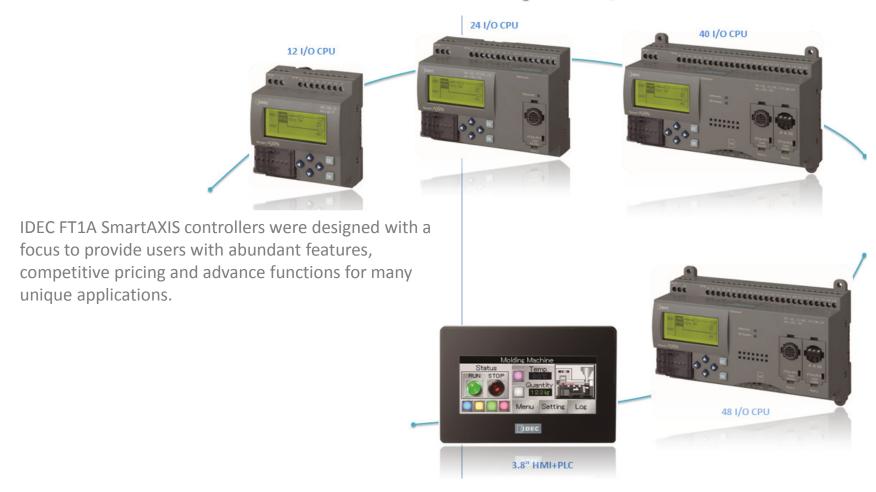






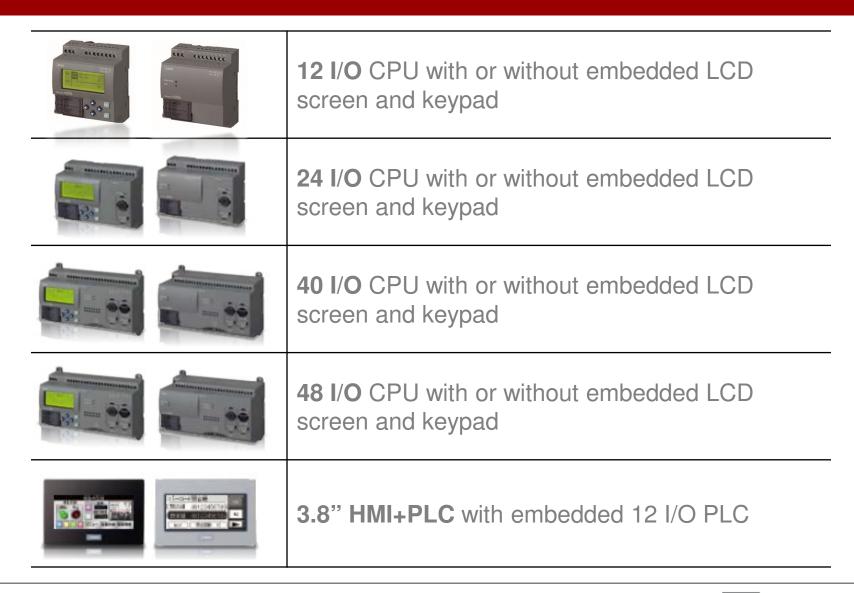
#### What is FT1A SmartAXIS?

### Performance. Value. Simple I/O Controls.

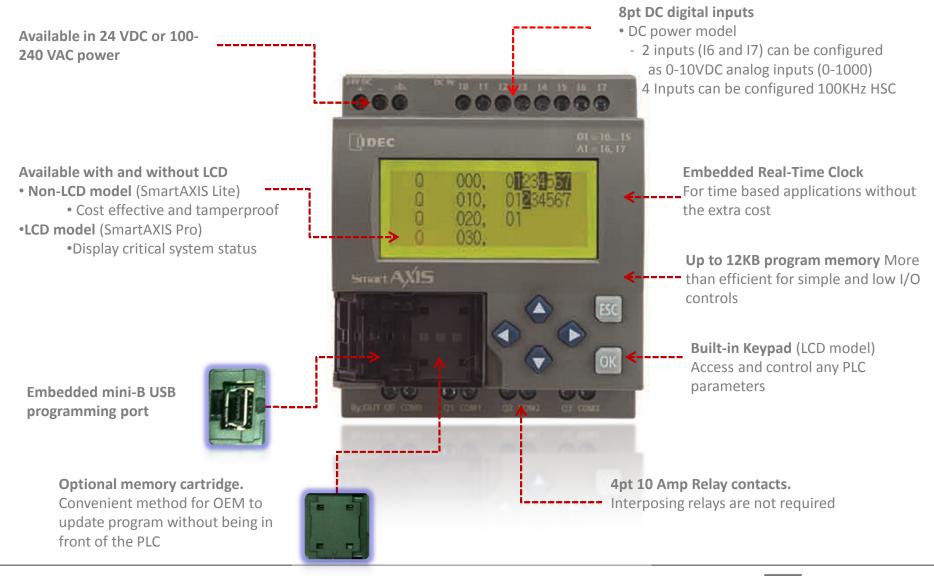




### **Products Line-Up**



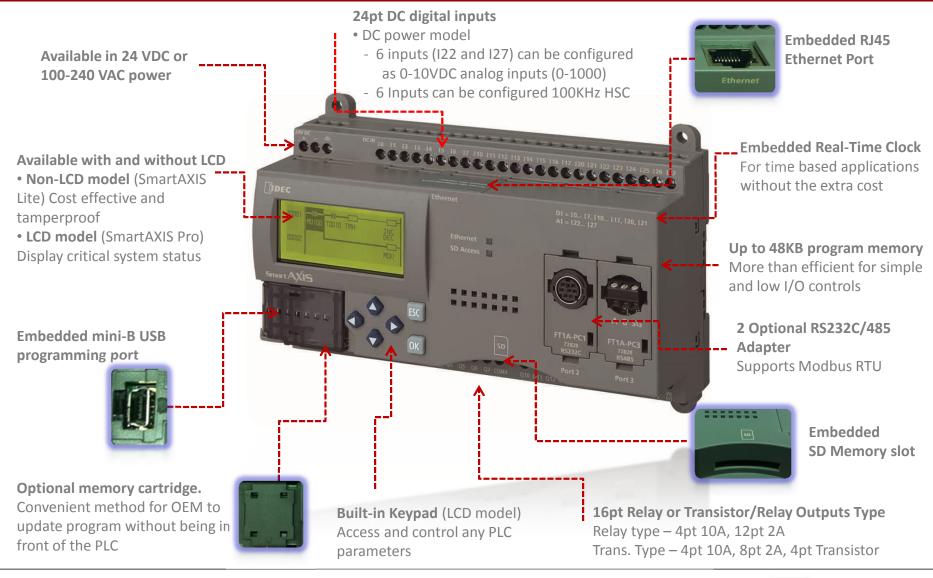




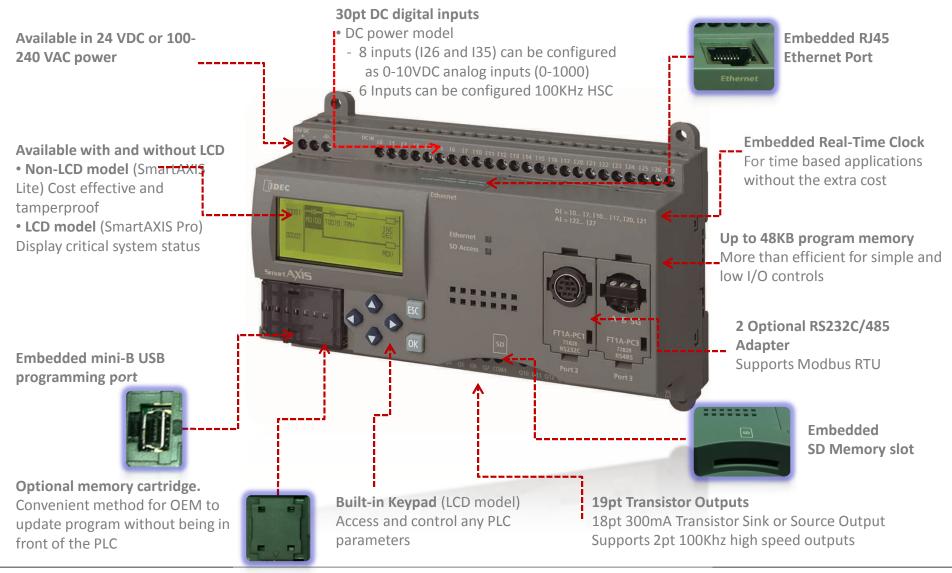
















#### Smart LCD/Keypad

- Max. 24 digits x 8 lines
- ON/OFF backlight controls
- 50 Customizable Alarm and Dynamic Messages
- Support Scrolling and Flashing
- Display Operation Menu



#### Ethernet Port

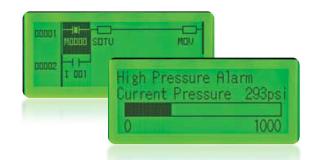
- Upload, Download, Monitor PLC program
- Supports Static or DHCP
- Supports Modbus TCP/IP
  - Client (Master)
  - Servers (Slave)



#### SD Memory Card

- Data logging
- Saved data can be retrieved over Ethernet

- Display and Edit PLC Parameters
- Display I/O Status
- Display Vertical/Horizontal Bar Graph
- Ladder Program Monitors and Controls



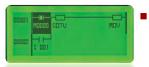






#### Embedded Real Time Clock

 Support Daylight Saving Time for US, Canada, Europe, Australia or User configurable



#### **Ladder Monitors and Controls**

PLC ladder can be displayed and controlled on the FT1A



#### 10 Amp Relay Contacts

- All FT1A controllers are quipped with 4pt 10Amp Relay contacts
- Interposing relays not required



- All FT1A controllers are quipped with 2 to 8pt Analog Inputs
- 0-1000 10-bit Resolution



#### Fast Processing Speed

- 950usec/1000 instructions compare with 1.16ms for FC5A All-In-One CPU
- FT1A execute Advanced instructions even faster than FC5A
   Slim CPU



Each FT1A is equipped with 4 or 6
 HSC



#### **USB Maintenance Port**

- Every FT1A controller is equipped with standard USB mini-B port
- Special cable not required



### 3

#### 100 KHz High Speed Outputs

- 40 I/O and 48 I/O CPU is equipped with 2pt 100KHz outputs
- Support PULS, RAMP, PWM, ZRN



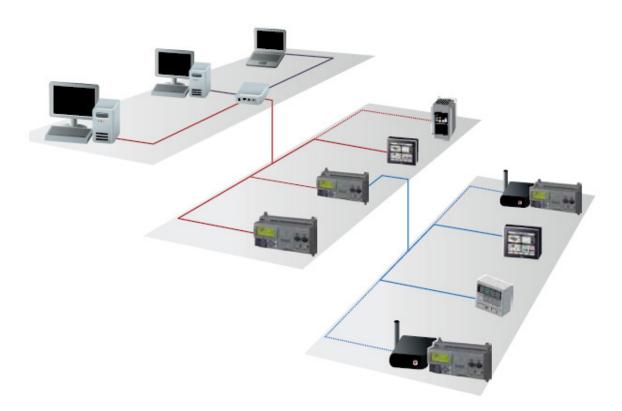
#### Remote I/O

The FT1A remote I/O, available in all Ethernet-capable modules, enables you to expand the number of inputs and outputs by simply connecting separate FT1A modules via Ethernet as remote I/O slaves. The FT1A remote I/O can monitor and control a total of 192 points of I/O. Ethernet hub Master Slave Slave Slave 48-I/O type 48-I/O type 48-I/O type 48-I/O type PERCECCEPTION ANDOOD PERCECCESCOSCIONOS ASSESSOS 48-I/O type (master) + 48-I/O type (slave) + 48-I/O type (slave) + 48-I/O type (slave) = 192 I/O (30 inputs, 18 outputs) + (30 inputs, 18 outputs) + (30 inputs, 18 outputs) + (30 inputs, 18 outputs) = 120 inputs, 72 outputs



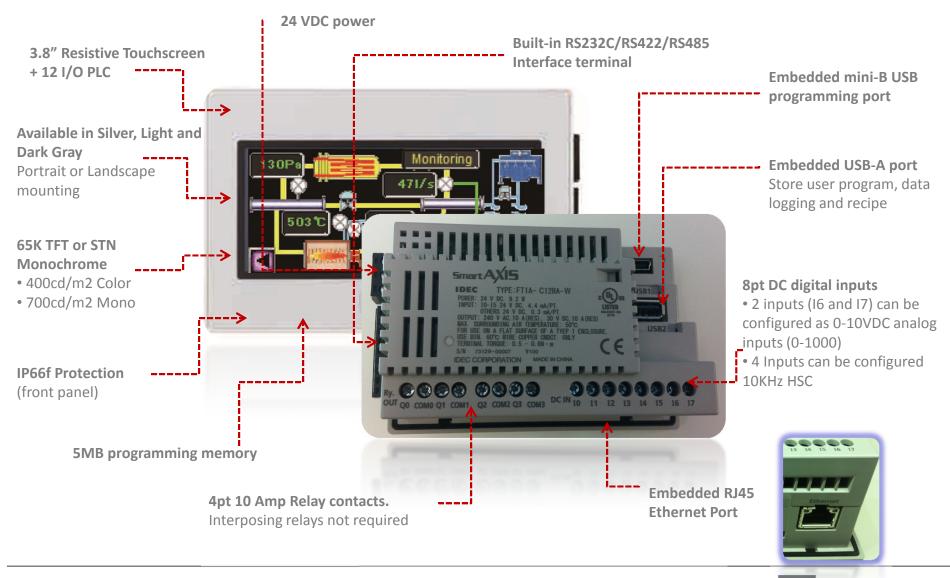
#### Modbus TCP and RTU

 All FT1A 24, 40 and 48 I/O CPU supports Modbus TCP Client/Server and Modbus RTU Master/Slave





### **SmartAXIS Touch**





## FT1A Touch Highlights



#### Embedded Real Time Clock

 Support Daylight Saving Time for US, Canada, Europe, Australia or User configurable



#### Ladder Monitors and Controls

 Internal PLC program can be monitored and controlled on the FT1A Touch 3.8" display



#### 10 Amp Relay Contacts

- FT1A Touch is quipped with 4pt 10Amp Relay contacts
- Interposing relays not required



#### **Convenient Program Updates**

 Project files can be easily transferred between a USB memory stick and the FT1A Touch.



- FT1A Touch has embedded 2pt 0-10VDC analog inputs
- 0-1000 10-bit Resolution



#### 10 KHz High Speed Counters

 Two of the 8 digital inputs can be configured as high speed counters with maximum of 10 KHz frequency.



#### USB Maintenance Port

- Every FT1A is equipped with standard USB mini-B port
- Special cable is not required



#### Data Logging

 Critical data can be saved and logged into a USB memory stick & retrieved over Ethernet.



### FT1A Touch Highlights

#### Modbus TCP or RTU

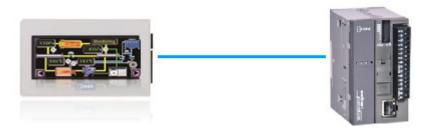
- The Ethernet port on FT1A Touch can be configured as Modbus TCP Client (master) or Server (slave)
- The RS485/RS232C can be configured as Modbus RTU Master or Slave





## FT1A Touch Highlights

- FT1A Touch can also be configured to communicate with other PLCs
- Supported PLCs
  - IDEC PLCs (Serial/Ethernet)
  - Siemens S7-1200 (Ethernet)
  - Automation Direct
    - DL205/405
    - Ethernet
  - Mitsubishi
    - FX3U (Ethernet)
    - FX (Link)
    - Q/QnA (Ethernet)
  - Omron
    - CS1/CJ (Ethernet)
  - Others
    - Keyence
    - Yaskawa
    - Fuji
    - Hitachi
    - Yokogawa



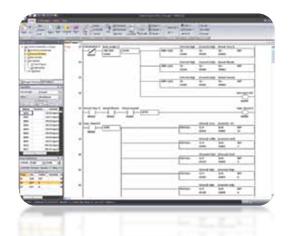


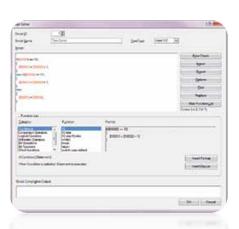




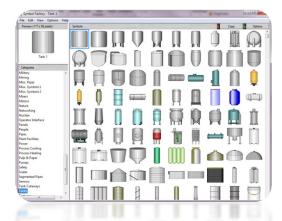
### **Easy to Program**

- FT1A SmartAXIS series is programmable using WindLDR and WindO/I-NV3 software (Part of Automation Organizer suite)
- Programmable in 3 languages
  - Ladder
  - Function Block Diagram
  - SCRIPT











# **Worldwide Approvals**

- cULus
- CE
- Class I Division 2 for hazardous locations
- ABS approved for marine applications
- FT1A Touch
  - IP66f (watertight, oiltight)
  - NEMA 4X (indoor only), 13



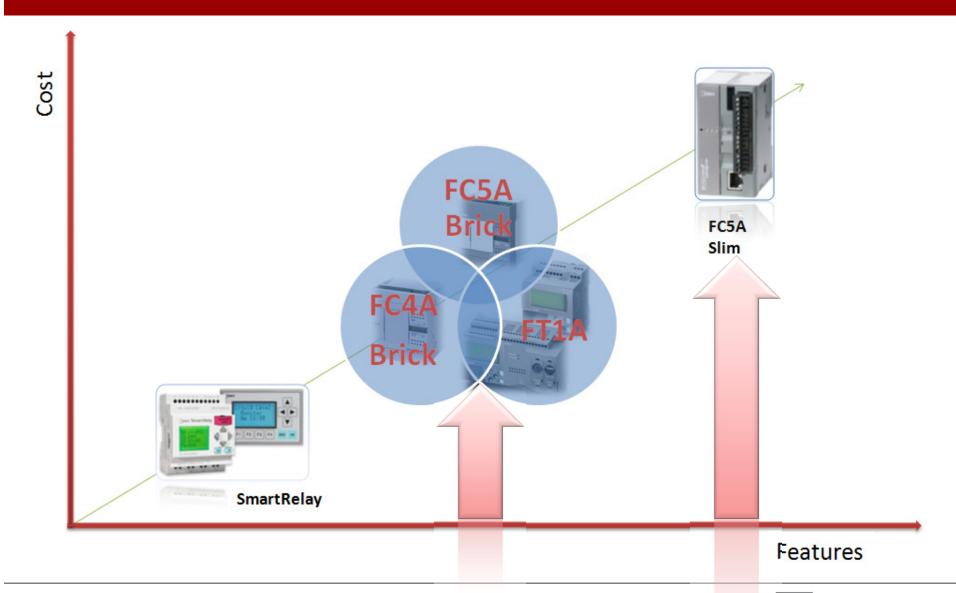






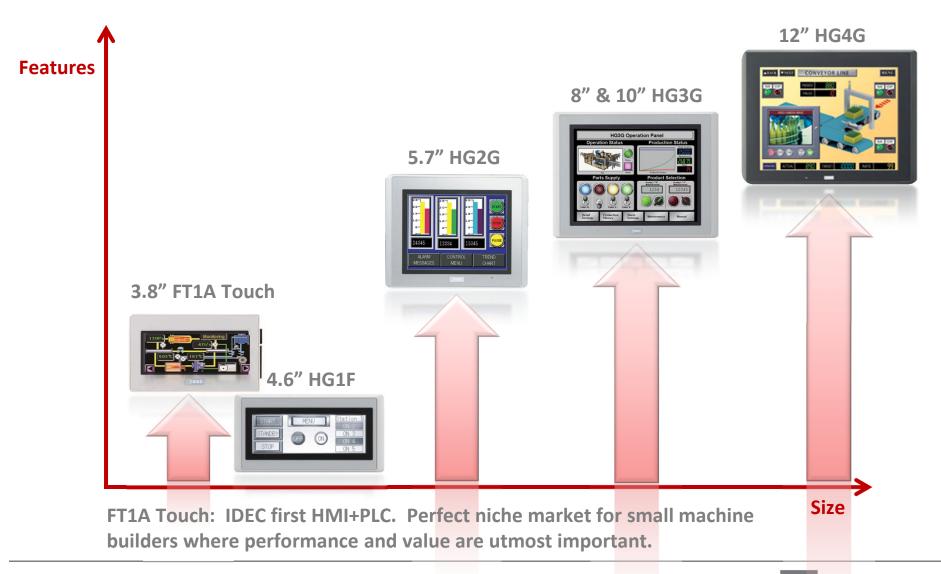


### **FT1A Controllers Market Position**





## **Products Positioning**





12 I/O CPU	Part Number	Description	List Price
Doc See See See See See See See See See Se	FT1A-H12RC	12 I/O CPU AC power with LCD/keypad	\$155
	FT1A-H12RA	12 I/O CPU 24 VDC power with LCD/keypad	\$155
Dec Ment S	FT1A-B12RC	12 I/O CPU AC power without LCD/keypad	\$135
	FT1A-B12RA	12 I/O CPU 24 VDC power without LCD/keypad	\$135



24 I/O CPU	Part Number	Description	List Price
The state of the s	FT1A-H24RC	24 I/O CPU AC power with LCD/keypad	\$345
	FT1A-H24RA	24 I/O CPU 24 VDC power with LCD/keypad	\$345
Goe Brown	FT1A-B24RC	24 I/O CPU AC power without LCD/keypad	\$315
	FT1A-B24RA	24 I/O CPU 24 VDC power without LCD/keypad	\$315



40 I/O CPU	Part Number	Description	List Price
THE CONTRACTOR OF THE PARTY OF	FT1A-H40RC	40 I/O CPU AC power with LCD/keypad, Relay Outputs	\$399
	FT1A-H40RKA	40 I/O CPU 24 VDC power with LCD/keypad, Relay/Transistor Sink	\$389
	FT1A-H40RSA	40 I/O CPU AC power without LCD/keypad, Relay/Transistor Source	\$360
ansummer amount	FT1A-B40RC	40 I/O CPU VDC power without LCD/keypad, Relay Outputs	\$360
	FT1A-B40RKA	40 I/O CPU AC power without LCD/keypad, Relay/Transistor Sink	\$360
	FT1A-B40RSA	40 I/O CPU AC power without LCD/keypad, Relay/Transistor Source	\$360



48 I/O CPU	Part Number	Description	List Price
COL CHICLESTOCK COLOREST OF THE PARTY OF THE	FT1A-H48KC	48 I/O CPU AC power with LCD/keypad, Transistor Sink Outputs	\$450
	FT1A-H48SC	48 I/O CPU AC power with LCD/keypad, Transistor Source Outputs	\$450
	FT1A-H48KA	48 I/O CPU DC power with LCD/keypad, Transistor Sink Outputs	\$450
	FT1A-H48SA	48 I/O CPU DC power with LCD/keypad, Transistor Source Outputs	\$450
and	FT1A-B48KC	48 I/O CPU AC power without LCD/keypad, Transistor Sink Outputs	\$420
	FT1A-B48SC	48 I/O CPU AC power without LCD/keypad, Transistor Source Outputs	\$420
	FT1A-B48KA	48 I/O CPU DC power without LCD/keypad, Transistor Sink Outputs	\$420
	FT1A-B48SA	48 I/O CPU DC power without LCD/keypad, Transistor Source Outputs	\$420



FT1A Touch	Part Number	Description	List Price
Barcode Check Read 49123456789	FT1A-M12RA-W	3.7" HMI+PLC Monochrome, Light Gray Bezel	\$349
00001 10000 moool	FT1A-M12RA-B	3.7" HMI+PLC Monochrome, Dark Gray Bezel	\$349
Desc	FT1A-M12RA-S	3.7" HMI+PLC Monochrome, Silver Bezel	\$349
Monitoring Monitoring	FT1A-C12RA-W	3.8" HMI+PLC 65K color TFT, Light Gray Bezel	\$399
道柱状型 温度 温度 温度 2012 2012 2012 2012 2012 2012 2012 201	FT1A-C12RA-B	3.8" HMI+PLC 65K color TFT, Dark Gray Bezel	\$399
[3 tre.	FT1A-C12RA-S	3.8" HMI+PLC 65K color TFT, Silver Bezel	\$399



## **Starter Kits**

CPU Type	Part Number	Description	List Price
40.1/0	KIT-SMART-12-HAC	SmartAXIS Starter Kit 12I/O AC with display/keypad	\$199
	KIT-SMART-12-BAC	SmartAXIS Starter Kit 12I/O AC	\$179
12 1/0	KIT-SMART-12-HDC	SmartAXIS Starter Kit 12I/O DC with display/keypad	\$219
	KIT-SMART-12-BDC	SmartAXIS Starter Kit 12I/O DC	\$199
24 I/O	KIT-SMART-24-HAC	SmartAXIS Starter Kit 24I/O AC with display/keypad	\$359
	KIT-SMART-24-BAC	SmartAXIS Starter Kit 24I/O AC	\$329
	KIT-SMART-24-HDC	SmartAXIS Starter Kit 24I/O DC with display/keypad	\$359
	KIT-SMART-24-BDC	SmartAXIS Starter Kit 24I/O DC	\$329
40 1/0	KIT-SMART-40-HAC-R	SmartAXIS Starter Kit 40I/O AC with display/keypad	\$419
	KIT-SMART-40-BAC-R	SmartAXIS Starter Kit 40I/O AC	\$375
	KIT-SMART-40-HDC-RK	SmartAXIS Starter Kit 40I/O DC with display/keypad Sink	\$399
	KIT-SMART-40-HDC-RS	SmartAXIS Starter Kit 40I/O DC with display/keypad Source	\$375
	KIT-SMART-40-BDC-RK	SmartAXIS Starter Kit 40I/O DC Sink outputs	\$399
	KIT-SMART-40-BDC-RS	SmartAXIS Starter Kit 40I/O DC Source outputs	\$375



## **Starter Kits**

CPU Type	Part Number	Description	List Price
	KIT-SMART-48-HAC-K	SmartAXIS 48IO Starter Kit AC with display/keypad Sink	\$469
	KIT-SMART-48-BAC-K	SmartAXIS 48IO Starter Kit AC Sink outputs	\$435
	KIT-SMART-48-HAC-S	SmartAXIS 48IO Starter Kit AC with display/keypad Source	\$469
	KIT-SMART-48-BAC-S	SmartAXIS 48IO Starter Kit AC Source outputs	\$435
48 I/O	KIT-SMART-48-HDC-K	SmartAXIS 48IO Starter Kit DC with display/keypad Sink	\$469
	KIT-SMART-48-BDC-K	SmartAXIS 48IO Starter Kit DC Sink outputs	\$435
	KIT-SMART-48-HDC-S	SmartAXIS 48IO Starter Kit DC with display/keypad Source	\$469
	KIT-SMART-48-BDC-S	SmartAXIS 48IO Starter Kit DC Source outputs	\$435
SmartAXIS Touch	KIT-TOUCH-MW	SmartAXIS Touch Starter Kit Monochrome Light bezel	\$375
	KIT-TOUCH-MB	SmartAXIS Touch Starter Kit Monochrome Dark bezel	\$375
	KIT-TOUCH-MS	SmartAXIS Touch Starter Kit Monochrome Silver bezel	\$375
	KIT-TOUCH-CW	SmartAXIS Touch Starter Kit 65K color TFT Light bezel	\$415
	KIT-TOUCH-CB	SmartAXIS Touch Starter Kit 65K color TFT Dark bezel	\$415
	KIT-TOUCH-CS	SmartAXIS Touch Starter Kit 65K color TFT Silver bezel	\$415

