The Total Package

Where innovative ideas are born

IDEC OI Touchscreen and PLC Starter Kits have it all. With choices ranging from our smaller 4.6" HG1F to our larger 12.1" HG4G, and including our MicroSmart Pentra PLC with embedded Ethernet or new 3.8-inch SmartAXIS Touch (HMI-PLC), we have something for every application. Our Automation Organizer Software Suite, a power supply and a USB cable are also part of the deal. We have everything you need to get started, order yours today!

- Free software suite upgrades for life
- Free technical support
- Hands-on PLC and OI training

IDEC

OI Touchscreen Starter Kits

High-Performance OI Touchscreens

- 5.7", 8.4", 10.4" and 12.1" Touchscreens
- 65,536 Color TFT LCD
- Mounts Portrait or Landscape
- Video & Audio Interface (8.4" to 12.1" Touchscreen only)
- Remote Access, Monitor & Control
- Super Bright: Up to 800cd/m^2
- Support of MicroSmart Expansion Discrete I/O modules
- Serial, Ethernet, & USB ports

Comprehensive Control

The High-Performance series brings performance to a whole new level with advanced features and capabilities. All High-Performance OI touchscreens can remotely access, monitor and control from anywhere using your PC, tablet or Smart Phone. In addition, the 8.4" to 12.1" touchscreens come with built-in video input and audio in/out. This can be used for video monitoring or recording machine conditions on the plant floor, playing movie files to give detailed instructions and tutorials, or to show an operation manual.

For a powerful, yet compact choice, we have our Basic series which includes the 4.6" HG1F touchscreen monochrome and the 5.7" HG2G monochrome (12 or 24V DC) or color (12-24V DC) with optional Ethernet ports. All IDEC touchscreens can function as stand-alone devices or communicate with IDEC PLCs, as well as all other major brand PLCs.

12.1" HG4G
8.4" HG3G
10.4" HG3G
5.7" HG2G-5FT
4.6" HG1F

OI Touchscreens

Operator Interface		Power Supply	Software and Cable	Part Number	Reg. Price	PACKAGE PRICE
Basic Series	4.6" Monochrome, RS232, HG1F-SB22BF-B	30W	√	SMARTTOUCH-1F	$549	$399
	5.7" Monochrome, 12V DC, HG2G-SB21VF-B	30W	√	SMARTTOUCH-2G-M12V	$934	$549
	5.7" Monochrome, 24V DC, HG2G-SB22VF-B	30W	√	SMARTTOUCH-2G-M	$934	$549
	5.7" Monochrome, 24V DC, Ethernet, HG2G-SB22TF-B	30W	√	SMARTTOUCH-2G-EM	$1034	$649
	5.7" 256 Color TFT LCD, 12-24V DC, HG2G-5ST22TF-B	60W	√	SMARTTOUCH-2GTE	$1144	$599
High-Performance Series	5.7" 65K Color TFT, HG2G-5FT22TF-B	60W	√	SMARTTOUCH-2GHP	$1394	$849
	8.4" 65K Color TFT , Video In, Audio In/Out, HG3G-8JT22MF-B	60W	√	SMARTTOUCH-3G8HP	$1594	$1099
	10.4" 65K Color TFT, Video In, Audio In/Out, HG3G-AJT22MF-B	60W	√	SMARTTOUCH-3GAHP	$1994	$1499
	12.1" 65K Color TFT, Video In, Audio In/Out, HG4G-CJT22MF-B	60W	√	SMARTTOUCH-4GHP	$2394	$1699

All packages come with Automation Organizer software suite and a communication cable.

Controller Starter Kits

MicroSmart Pentra

- Embedded Ethernet CPU
- Modbus TCP, RTU and ASCII
- 1MB User Web Page
- Email/Text Message Alerts
- USB Programming Port
- Integrated 100kHz High-speed I/O
- Up to 7 Communication Ports
- Max. 512 I/Os

Take Control
MicroSmart Pentra is the fastest micro-PLC on the market. It incorporates all the latest features, a fast processing speed, up to 512 I/Os, built-in Modbus Master/Slave, 32-bit data processing and floating point math in a compact housing. Plus, the MicroSmart Pentra with embedded Ethernet offers everything from Modbus TCP and email/text messaging functionality, to web server functions and an interactive user web page with dynamic data.

FC5A

Class 1 Div 2 Hazardous Locations

CPU Type	Power Supply	Software and Cable	Part Numbers	Reg. Price	**PACKAGE PRICE**
16 I/O, FC5A-D16RS1 CPU	30W	√	MM-PENTRA-16	$648	$399
24 I/O, FC5A-C24R2 CPU	–	√	MM-PENTRA-24	$793	$399
12 I/O, FC5A-D12S1E Ethernet CPU	30W	√	MM-PENTRA-12	$944	$499

All packages come with Automation Organizer software suite and a communication cable.

IDEC SmartRelay

General Applications
- Liquid Level Controls
- Valves and Pumps Control
- Solar Traffic Lights
- Relay/Timer replacement

Setup as Easy as 1-2-3
IDEC SmartRelay is a cost-effective solution to simple logic controls. It's an ideal replacement for your relay control system on small I/O sequencing applications. One IDEC SmartRelay can replace the relays, timers and counters in your control panel. With I/Os expandable up to 50, built-in analog inputs, built-in LCD display for programming and monitoring, and 10A relay outputs, you can do more than ever before.

FL1E

Class 1 Div 2 Hazardous Locations

Controller Type	LCD Screen	Software and Cable	Part Numbers	Reg. Price	**PACKAGE PRICE**
12 I/O, 120-240V AC/DC, FL1E-B12RCC CPU	–	√	SMARTSTART-BAC-E	$348	$179
12 I/O, 12/24V DC, FL1E-B12RCE CPU	–	√	SMARTSTART-BDC-E	$343	$179
12 I/O, 120-240V AC/DC, FL1E-H12RCC CPU	√	√	SMARTSTART-HAC-E	$378	$199
12 I/O, 12/24V DC, FL1E-H12RCE CPU	√	√	SMARTSTART-HDC-E	$373	$199

All packages come with WindLCG software and a communication cable.

FT1A SmartAXIS

- Embedded RJ45 Ethernet Port
- Modbus TCP and RTU
- Embedded Smart LCD/Keypad
- Built-in 2-8 Analog Inputs
- 10A Relay Contacts
- Built-in Real Time Clock
- USB Maintenance Port
- SD Memory for Data Logging
- 100kHz HSC and Outputs

Value. Versatility. New Breed of Controllers.
IDEC FT1A SmartAXIS controllers were designed with a focus to provide users with unique features and advanced functions for applications that require limited I/O. FT1A SmartAXIS controllers are available in 12, 24, 40, 48, I/O CPUs and 3.8" HMI + PLC 65K color TFT resistive or monochrome touchscreen.

Touch   FT1A 48 I/O   FT1A 12 I/O

CE   US LISTED

FT1A SmartAXIS Touch PLC + HMI

PLC+HMI Unit Type	Power Supply	Software and Cable	Part Number	Reg. Price	PACKAGE PRICE
3.8" PLC+HMI 65K TFT Color, Dark Gray Bezel, FT1A-C12RA-B	30W	√	KIT-TOUCH-CB	$856	$415
3.7" PLC+HMI Monochrome, Dark Gray bezel, FT1A-M12RA-B	30W	√	KIT-TOUCH-MB	$806	$375

All packages come with Automation Organizer software suite and a communication cable.

FT1A SmartAXIS Controllers

CPU Type	Power Supply	Software and Cable	Part Number	Reg. Price	PACKAGE PRICE
SmartAXIS 12 I/O, FT1A-H12RC	–	√	KIT-SMART-12-HAC	$533	$199
SmartAXIS 12 I/O, FT1A-H12RA	30W	√	KIT-SMART-12-HDC	$612	$219
SmartAXIS 24 I/O, FT1A-H24RC	–	√	KIT-SMART-24-HAC	$723	$359
SmartAXIS 24 I/O, FT1A-H24RA	30W	√	KIT-SMART-24-HDC	$802	$359
SmartAXIS 40 I/O, FT1A-H40RKA	30W	√	KIT-SMART-40-HDC-RK	$846	$399
SmartAXIS 40 I/O, FT1A-H40RSA	30W	√	KIT-SMART-40-HDC-RS	$846	$399
SmartAXIS 48 I/O, FT1A-H48KC	–	√	KIT-SMART-48-HAC-K	$828	$469
SmartAXIS 48 I/O, FT1A-H48KA	30W	√	KIT-SMART-48-HDC-K	$907	$469

Additional models witout LCD also available.

All packages come with Automation Organizer software suite and a communication cable.

800.262.4332

Combined Starter Kits (Touchscreen & PLC)

Complete Control Packages

Whether you want to give IDEC products a try, or you already use them, but want a complete automation system that is quick and easy to put together, our starter kits are a great deal! Each package includes an operator interface and your choice of 4.6" to 12.1" LCD screens. They also include a MicroSmart Pentra PLC (Slim with Embedded Ethernet or All-in-One design), a slim power supply, cables and software. Just buy a package and you're ready to go.

Keep in mind, when you purchase an IDEC Starter Kit, you get not only the hardware and software; you also get access to technical support. And, even better, that technical support is free along with software upgrades, saving you even more time and money. Give IDEC a try today and start pulling in the savings now!

OI Touchscreens & PLCs

Operator Interface	CPU Type	Power Supply	Part Numbers	Reg. Price	PACKAGE PRICE
4.6" Monochrome, RS232, HG1F-SB22BF-B	24 I/O, FC5A-C24R2C CPU	60W	KIT-PENTRA-24-HG1F	$1,437	$849
4.6" Monochrome, RS232, HG1F-SB22BF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG1F	$1,467	$899
5.7" Monochrome, 24V DC, Ethernet, HG2G-SB22TF-B	24 I/O, FC5A-C24R2C CPU	60W	KIT-PENTRA-24-HG2G-M	$1,638	$999
5.7" Monochrome, 24V DC, Ethernet, HG2G-SB22TF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG2G-M	$1,668	$1,049
5.7" 256 Color TFT, Ethernet, HG2G-5ST22TF-B	24 I/O, FC5A-C24R2C CPU	60W	KIT-PENTRA-24-HG2G-TE	$1,743	$1,099
5.7" 256 Color TFT, Ethernet, HG2G-5ST22TF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG2G-TE	$1,693	$1,149
5.7" 65K Color TFT, HG2G-5FT22TF-B	16 I/O, FC5A-D16RS1 CPU	60W	KIT-PENTRA-16-HG2G-HP	$1,850	$1,249
5.7" 65K Color TFT, HG2G-5FT22TF-B	24 I/O, FC5A-C24R2C CPU	60W	KIT-PENTRA-24-HG2G-HP	$1,995	$1,249
5.7" 65K Color TFT, HG2G-5FT22TF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG2G-HP	$1,945	$1,299
8.4" 65K Color TFT, Video In, Audio In/Out, HG3G-8JT22MF-B	16 I/O, FC5A-D16RS CPU	60W	KIT-PENTRA-16-HG3G-8HP	$2,150	$1,499
8.4" 65K Color TFT, Video In, Audio In/Out, HG3G-8JT22MF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG3G-8HP	$2,245	$1,549
10.4" 65K Color TFT, Video In, Audio In/Out, HG3G-AJT22MF-B	16 I/O, FC5A-D16RS1 CPU	60W	KIT-PENTRA-16-HG3G-AHP	$2,550	$1,799
10.4" 65K Color TFT, Video In, Audio In/Out, HG3G-AJT22MF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG3G-AHP	$2,645	$1,849
12.1" 65K Color TFT, Video In, Audio In/Out, HG4G-CJT22MF-B	16 I/O, FC5A-D16RS1 CPU	60W	KIT-PENTRA-16-HG4G-HP	$2,850	$2,049
12.1" 65K Color TFT, Video In, Audio In/Out, HG4G-CJT22MF-B	12 I/O, FC5A-D12S1E, Ethernet CPU	60W	KIT-PENTRA-12-HG4G-HP	$2,945	$2,099

OI Touchscreens have black bezels. All packages come with Automation Organizer software suite and communication cables.

Quantum Automation

IDEC

» Fast & Easy Ordering
» Measurable ISO 9001:2008 Quality Objectives
» West Coast Inventory
» Local Technical Support
» On-Site Product Demonstrations
» In-House, Online, & On-Site Training
» 24 Hour Emergency Support
» Custom Assemblies & Services

Quantum Automation
Authorized Distributor
★★★

Hands-on OI Touchscreen and PLC Training

Learn to Program Your OI and/or PLC

If you're looking to improve your knowledge of IDEC PLCs and OI Touchscreens, IDEC training courses take a hands-on approach using real world examples to enhance your learning and retention. We are confident you will walk out of our class able to program, debug and maintain IDEC automation systems. Courses include 3-day training and a great deal on a training kit that includes a PLC and OI Touchscreen.

IDEC PLC/OI Training covers:
• Programming with an IDEC OI Touchscreen
• PLC programming and fundamentals such as hardware, numbering systems and how a PLC works
• Demonstrations on the HG3G OI Touchscreen and MicroSmart Pentra
• Q&A session with our experts to discuss your specific controls application

To register today, visit
http://training.IDEC.com

In-class Training Units

Product Information

OI Touchscreens:
www.IDEC.com/oi

IDEC Pentra:
w**ww.IDEC.com/pentra**

FT1A SmartAXIS:
w**ww.IDEC.com/smartaxis**

IDEC SmartRelay:
www.IDEC.com/smartrelay

Software:
www.IDEC.com/software

Starter Kits:
www.IDEC.com/starterkit

Product Support

Technical support:
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