IDEC Automation Packages

IDEC

Think Automation and beyond...

Give IDEC **Solutions** a try!

OI Touchscreen Starter Kits

12.1" HG4F

5.7" HG2G

10.4" HG3F

4.6" HG1F

General Applications

- Packaging Systems
- Water Treatment Systems
- Filtration Systems
- Semiconductor Manufacturing
- Engine Room Control Systems
- Food and Beverage Equipment
- Mobile, Solar, and Oil and Gas Industry

800-262-IDEC

Save Your Time & Money

IDEC touchscreens are the perfect solution for control panels that take up a lot of expensive real estate. By the time you add up the cost of pushbuttons, meters and many other components, you'll see why IDEC touchscreens are such a value for your display needs. They save you time, money on installation costs, and can provide more detailed information in every screen.

For a powerful, yet compact choice, the 4.6" HG1F touchscreens are super-bright and can be mounted horizontally or vertically. The 5.7" HG2G touchscreen is also super-bright, and is available in 12 or 24V DC models with Ethernet ports (optional). The 10.4" HG3F and 12.1" HG4F are the larger screens, and come with more memory and Ethernet ports for remote monitoring. All IDEC touchscreens can function as stand-alone devices or communicate with IDEC PLCs, as well as all major brand PLCs.

OI Touchscreens

	Operator Interface	Power Supply	Software and Cables	Part Number	Reg. Price	PACKAGE PRICE
	4.6" Monochrome STN HG1F Black Bezel, RS232 Comm.	30W	Yes	SMARTTOUCH-1F	$549	$399
	5.7" Monochrome HG2G Black Bezel, 12V DC	30W	Yes	SMARTTOUCH-2G-M12V	$934	$549
	5.7" Monochrome HG2G Black Bezel	30W	Yes	SMARTTOUCH-2G-M	$934	$549
	5.7" Monochrome HG2G Black Bezel, Ethernet	30W	Yes	SMARTTOUCH-2G-EM	$1034	$649
	5.7" Color STN HG2G Black Bezel, 12V DC	30W	Yes	SMARTTOUCH-2G-C12V	$1109	$699
	5.7" Color STN HG2G Black Bezel	30W	Yes	SMARTTOUCH-2G-C	$1109	$699
	5.7" Color STN HG2G Black Bezel, Ethernet	30W	Yes	SMARTTOUCH-2G-EC	$1209	$799
	10.4" Color TFT HG3F Light Gray Bezel	60W	Yes	SMARTTOUCH-3F	$2385	$1995
	12.1" Color TFT HG4F Light Gray Bezel	60W	Yes	SMARTTOUCH-4F	$2885	$2195

All packages come with Automation Organizer software suite for OI Touchscreens and PLCs.

Controller Starter Kits

IDEC SmartRelay

FL1E

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.

MicroSmart / MicroSmart Pentra

FC5A

General Applications

- Food and Beverage Equipment
- Packaging Machinery
- Printing Press Equipment
- Water Treatment Plants & Systems
- Mail Sorting Equipment
- Oil & Gas Refinery Equipment

For Systems Requiring More 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 very compact housing. The MicroSmart and MicroSmart Pentra PLCs are a great way to achieve the performance you're looking for in your system, without breaking the bank.

IDEC SmartRelays

	Controller Type	Software and Cables	Part Numbers	Reg. Price	PACKAGE PRICE
	12 I/O, 120-240V AC/DC w/o LCD	Yes	SMARTSTART-BAC-E	$348	$179
	12 I/O, 12/24V DC w/o LCD	Yes	SMARTSTART-BDC-E	$343	$179
	12 I/O, 120-240V AC/DC w/ LCD	Yes	SMARTSTART-HAC-E	$378	$199
	12 I/O, 12/24V DC w/ LCD	Yes	SMARTSTART-HDC-E	$373	$199

All packages come with WindLDR software

MicroSmart PLCs

	CPU Type	Power Supply	Software and Cables	Part Numbers	Reg. Price	PACKAGE PRICE
	10 I/O All-in-One FC4A	–	Yes	MM-SMART-10	$531	$259
	16 I/O All-in-One FC4A	–	Yes	MM-SMART-16	$632	$329
	20 I/O Slim FC4A	15W	Yes	MM-SMART-20	$788	$449
	24 I/O All-in-One FC4A	–	Yes	MM-SMART-24	$773	$429
	40 I/O Slim FC4A	15W	Yes	MM-SMART-40	$1,163	$679
	16 I/O Slim FC5A Pentra	30W	Yes	MM-PENTRA-16	$648	$399
	24 I/O All-in-One FC5A Pentra	–	Yes	MM-PENTRA-24	$793	$399

All packages come with Automation Organizer software suite for OI Touchscreens and PLCs.

Solution Packages (Touchscreen & PLC)

Complete Control Packages

Whether you want to give IDEC products a try, or already use them, but want a complete automation system that is quick and easy to put together, you'll find a great deal in our solution packages. Each package includes either the 4.6", 5.7", 10.4" or 12.1" IDEC operator interface. They also include a MicroSmart Pentra PLC (Slim or All-in-One design), a slim power supply, cables and software. Buy a package and you're ready to go.

Keep in mind that when you purchase an IDEC Solution Package that you get not only the hardware and software, but 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 those savings now!

Both OI Touchscreens & PLCs

Operator Interface**	CPU Type	Power Supply	Part Numbers	Reg. Price	PACKAGE PRICE
4.6" Mono STN HG1F	16 I/O Slim	30W	MM-PENTRA-16-HG1F	$1307	$799
4.6" Mono STN HG1F	24 I/O All-in-One	30W	MM-PENTRA-24-HG1F	$1452	$799
5.7" Mono STN HG2G, 12V DC	24 I/O All-in-One, 12V DC	30W	MM-PENTRA-24-HG2G-M12V	$1358	$949
5.7" Mono STN HG2G, 12V DC, Ethernet	24 I/O All-in-One, 12V DC	30W	MM-PENTRA-24-HG2G-EM12V	$1458	$1049
5.7" Mono STN HG2G, Ethernet	16 I/O Slim	30W	MM-PENTRA-16-HG2G-EM	$1428	$1049
5.7" Mono STN HG2G	24 I/O All-in-One	30W	MM-PENTRA-24-HG2G-M	$1358	$949
5.7" Mono STN HG2G, Ethernet	24 I/O All-in-One	30W	MM-PENTRA-24-HG2G-EM	$1458	$1049
5.7" Color STN HG2G, 12V DC	24 I/O All-in-One, 12V DC	30W	MM-PENTRA-24-HG2G-C12V	$1533	$1149
5.7" Color STN HG2G, 12V DC, Ethernet	24 I/O All-in-One, 12V DC	30W	MM-PENTRA-24-HG2G-EC12V	$1633	$1249
5.7" Color STN HG2G, Ethernet	16 I/O Slim	30W	MM-PENTRA-16-HG2G-EC	$1603	$1249
5.7" Color STN HG2G	24 I/O All-in-One	30W	MM-PENTRA-24-HG2G-C	$1533	$1149
5.7" Color STN HG2G, Ethernet	24 I/O Slim	30W	MM-PENTRA-24-HG2G-EC	$1633	$1249
10.4" Color TFT HG3F	16 I/O Slim	30W	MM-PENTRA-16-HG3F	$2952	$2295
10.4" Color TFT HG3F	24 I/O All-in-One	30W	MM-PENTRA-24-HG3F	$3098	$2295
12.1" Color TFT HG4F	16 I/O Slim	30W	MM-PENTRA-16-HG4F	$3453	$2495
12.1" Color TFT HG4F	24 I/O All-in-One	30W	MM-PENTRA-24-HG4F	$3598	$2495

**HG1F: Light Gray Bezel, RS232 Comm., HG2G: Black Bezel, HG3F/HG4F: Light Gray Bezel, All packages come with Automation Organizer software suite for OI Touchscreens and PLCs.

Product Highlights

IDEC Starter Kits and Solution Packages

Thinking of upgrading your current system? Trying to keep your costs low? IDEC has the answers you're looking for. Our Starter Kits and Solution Packages include components built to work together to give you the most for your money. Starter Kits provide everything you need to automate an existing system with ease, while Solution Packages

provide a complete automation control strategy at a bargain price. Each Package includes an IDEC touchscreen, a MicroSmart Pentra PLC (Slim or All-in-One design), a slim power supply, cables and software. Get everything you need in one package without breaking the bank!

OI Touchscreens www.IDEC.com/oi

HG1F

- 4.6-inch STN LCD monochrome touchscreen
- Super-bright LCD screen with 500 cd/m^2
- Screen orientation: landscape or portrait
- RS232, RS422 or RS485 compatible
- Large memory capacity of 1MB
- UL, c-UL, Class1 Div 2, Nema Type 13, IP65, CE

HG2G

- 5.7-inch STN LCD touchscreen
- Super-bright LCD screen: 500cd/m^2 (mono) or 350cd/m^2 (256-color)
- Built-in Ethernet (optional)
- RS232, RS485 or RS422 compatible
- 2 MB of memory
- UL, c-UL, UL 1604 Class1 Div 2, Nema Type 13, IP65, CE

HG3F/HG4F

- 10.4-inch and 12.1-inch 256-color TFT LCD touchscreen
- Ethernet and compact flash support
- Web Server function
- 8MB of memory
- RS232, RS485 or RS422 compatible
- UL, c-UL, Class1 Div 2, Nema Type 4, 4X, 13, IP66, CE

SmartRelay www.IDEC.com/smartrelay

FL1E

- Digital/analog inputs: maximum of 24 digital inputs
- System status can be monitored through an embedded 4 x 12 LCD
- Expansion module: 36 x 90 x 58mm max
- Large program capacity: up to 130 function blocks (2000 bytes)
- DIN rail or surface mountable
- UL, c-UL, CE, Class 1 Div 2

PLCs www.IDEC.com/usa/microsmart

MicroSmart Pentra FC5A

- Fast processing speed
- 32-bit data processing and floating point math
- Built-in Modbus Master & Slave
- Field upgradeable firmware
- Up to 512 I/Os
- UL, c-UL, Class 1 Division 2, CE

MicroSmart FC4A

- Maximum of 264 I/Os can be configured on one CPU
- Data link for up to 32 MicroSmart or other IDEC PLCs
- Easy programming using IDEC WindLDR software
- Web server module for Ethernet connectivity
- Standard RS232 port, optional RS485/RS232 port
- UL, c-UL, Class 1 Div 2, CE

Software www.IDEC.com/software

Automation Organizer Suite

WindO/I-NV2 (Touchscreens)
- Easy to manage projects and screens
- Includes over 5000 built-in images
- Built-in serial and network protocols
- Pass Through Function

WindLDR (MicroSmart PLCs)
- Online editing and programming
- Simulation mode
- Custom monitor dialog
- Simple-to-use editors

WindCFG
- Create a visual layout of system design
- Manage one project file

WindLGC (SmartRelay)

- Function blocks
- Drag and drop simplicity
- Offline program simulation
- Boolean logic

IDEC

FREE Software Upgrades!

PLC & OI Touchscreen Seminars

Solutions to your applications

IDEC PLC training classes offer hands-on programming instructions for today's most common automation and control applications. The classes cover topics related to IDEC Micro PLCs and Touchscreens, as well as Automation Organizer programming software. All classes are IEEE certified. The training provides you with actual design applications and solutions and you get a great deal on a training kit to take back with you. For more information visit http://training.IDEC.com.

IEEE

http://training.IDEC.com

Product Information

OI Touchscreens:
www.IDEC.com/oi

IDEC MicroSmart family:
www.IDEC.com/usa/microsmart

IDEC SmartRelay:
www.IDEC.com/smartrelay

Software:
www.IDEC.com/software

Product Support

Technical support:
support@IDEC.com

PLC & OI Training:
http://training.IDEC.com

Find your local IDEC Representative or Distributor:
www.IDEC.com/locator

Phone:
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