

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 or MicroSmart Pentra PLC (Slim or All-in-One design), a 24VDC slim power supply, cables and software. Get everything you need in one package without breaking the bank!

Touchscreens

www.idec.com/oi

HG1F

- 4.6-inch STN LCD Monochrome touchscreen
- Super bright LCD Screen with 500 cd/m²
- Screen Orientation: Landscape or Portrait
- RS232, RS422 or RS485 compatible
- Large memory capacity of 1MB
- UL, c-UL, Class1 Div 2, Nema 13, IP65, CE



HG2F

- 5.7-inch STN LCD touchscreen
- Monochrome or 256-color display
- Compact flash card support
- RS232, RS485 or RS422 compatible
- 2 MB of memory
- UL, c-UL, Class1 Div 2, Nema 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 4, 4X, 13, IP66, CE



SmartRelay

www.idec.com/smartrelay

- 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, EMC, Class 1 Div 2



PLCs

www.idec.com/usa/microsmart

MicroSmart Pentra

- 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

- 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
- New web server module for Ethernet connectivity
- Standard RS232 port, optional RS485/RS232 port
- UL, c-UL, Class 1 Div 2, CE, TUV and Lloyd's.



Software

www.idec.com/software

WindO/I-NV2 (Touchscreens)

- Download, upload and monitor O/I
- Pass-thru functions
- Supports 1:N PLC communication and O/I link mode
- Supports barcode readers
- Easy to use icon driven programming
- Import graphics or use 5000 built-in bitmaps



WindLDR (MicroSmart PLCs)

- Online editing and programming
- Simulation mode
- Custom monitor dialog
- Simple-to-use editors
- Icon-based toolbars



WindLGC (SmartRelay)

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



FREE Software Upgrades!

Starter Kits



Touchscreen Starter Kits

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 HG1F 4.6" touchscreens are super-bright and can mount horizontally or vertically while still offering all the functions of larger touchscreens. HG3F and HG4F offer a larger screen, as well as larger memory size and Ethernet ports for remote monitoring. All IDEC touchscreens can function as standalone devices or communicate with IDEC PLCs, as well as all major brand PLCs. Some of the applications you can use them for are:

- Packaging Systems
- Water Treatment Systems
- Filtration Systems
- Semiconductor Manufacturing
- Engine Room Control Systems
- Machine Tooling
- Car Wash



Control at your fingertips

Experience the IDEC advantage

Touchscreen Kits

	Part Number	PACKAGE PRICE	Reg. Price	You Save*	Operator Interface	Power Supply	Software (Prog. Cables Included)
	SMARTTOUCH-1F	\$399	\$1,009	\$610	HG1F 4.6" Monochrome STN Black Bezel, RS232 Comm.	30W	WindO/I-NV2
	SMARTTOUCH-2F	\$995	\$2,360	\$1,365	HG2F 5.7" Color TFT Light Gray Bezel	30W	WindO/I-NV2
	SMARTTOUCH-3F	\$1995	\$4,327	\$2,332	HG3F 10.4" Color TFT Light Gray Bezel	60W	WindO/I-NV2
	SMARTTOUCH-4F	\$2195	\$4,927	\$2,732	HG4F 12.1" Color TFT Light Gray Bezel	60W	WindO/I-NV2

*Based on suggested retail price

IDEC SmartRelay Starter Kits

IDEC SmartRelays are a cost-effective solution to your simple logic controls. It's an ideal replacement for your relay control system on small I/O sequencing applications. One IDEC SmartRelay can replace all 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. The IDEC SmartRelay Starter Kit will incorporate everything you need to get your control system up and running.

Here are some actual applications where IDEC SmartRelays have been implemented:

- Liquid Level Controls
- Valves and Pumps Control
- Solar Traffic Lights
- Industrial Ice Machines

IDEC SmartRelay Starter Kits

	Part Numbers	PACKAGE PRICE	Reg. Price	You Save*	Controller Type	Software (Prog. Cables Included)
	SMARTSTART-BAC-D	\$235	\$583	\$348	12 I/O, 120-240V AC/DC w/o LCD	WindLGC
	SMARTSTART-BDC-D	\$235	\$618	\$383	12 I/O, 12/24V DC w/o LCD	WindLGC
	SMARTSTART-HAC-D	\$255	\$623	\$368	12 I/O, 120-240V AC/DC w/ LCD	WindLGC
	SMARTSTART-HDC-D	\$255	\$643	\$388	12 I/O, 12/24V DC w/ LCD	WindLGC

*Based on suggested retail price

MicroSmart and MicroSmart Pentra Starter Kits



MicroSmart Pentra is the newest and 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 Starter Kits are a great way to achieve the performance you're looking for in your system, without breaking the bank. Micro-PLCs are used in a wide area of applications, such as:

- Food and Beverage Equipment
- Packaging Machinery
- Printing Press Equipment
- Water treatment plants & systems
- Mail sorting equipment
- Oil & Gas refinery equipment



MicroSmart PLC Kits

	Part Numbers	PACKAGE PRICE	Reg. Price	You Save*	Controller Type	Power Supply	Software (Prog. Cables Included)
	MM-SMART-10	\$259	\$724	\$465	10 I/O All-in-One CPU	–	WindLDR
	MM-SMART-16	\$329	\$789	\$460	16 I/O All-in-One CPU	–	WindLDR
	MM-SMART-20	\$449	\$922	\$473	20 I/O Slim CPU	15W	WindLDR
	MM-SMART-24	\$429	\$949	\$520	24 I/O All-in-One CPU	–	WindLDR
	MM-SMART-40	\$679	\$1,347	\$668	40 I/O Slim CPU	15W	WindLDR
	MM-PENTRA-16	\$399	\$804	\$405	16 I/Os Slim CPU	30W	WindLDR
	MM-PENTRA-24	\$399	\$1,004	\$605	24 I/Os All-in-One CPU	–	WindLDR

*Based on suggested retail price

Solution 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 an IDEC operator interface:

- HG1F – 4.6" STN monochrome LCD touchscreen
- HG2F – 5.7" STN 256 color or monochrome LCD touchscreen
- HG3F – 10.4" TFT 256 color LCD touchscreen
- HG4F – 12.1" TFT 256 color LCD touchscreen

They also include a MicroSmart or MicroSmart Pentra PLC (Slim or All-in-One design), a 24VDC slim power supply, cables and software. Buy one package and you're ready to go.



	Part Numbers	PACKAGE PRICE	Reg. Price	You Save*	Operator Interface**	Controller Type	Power Supply
MicroSmart	MM-SMART-16-HG2F-M	\$1,079	\$2,617	\$1,538	HG2F 5.7" Mono STN	16 I/O All-in-One CPU	15W
	MM-SMART-20-HG2F-M	\$1,139	\$2,739	\$1,600	HG2F 5.7" Mono STN	20 I/O Slim CPU	60W
	MM-SMART-24-HG2F-M	\$1,159	\$2,777	\$1,618	HG2F 5.7" Mono STN	24 I/O All-in-One CPU	15W
	MM-SMART-40-HG2F-M	\$1,379	\$3,164	\$1,785	HG2F 5.7" Mono STN	40 I/O Slim CPU	60W
	MM-SMART-16-HG2F-C	\$1,299	\$3,217	\$1,918	HG2F 5.7" Color STN	16 I/O All-in-One CPU	15W
	MM-SMART-20-HG2F-C	\$1,359	\$3,339	\$1,980	HG2F 5.7" Color STN	20 I/O Slim CPU	60W
	MM-SMART-24-HG2F-C	\$1,399	\$3,377	\$1,978	HG2F 5.7" Color STN	24 I/O All-in-One CPU	15W
	MM-SMART-40-HG2F-C	\$1,599	\$3,764	\$2,165	HG2F 5.7" Color STN	40 I/O Slim CPU	60W
	MM-SMART-20-HG3F	\$2,300	\$5,289	\$2,989	HG3F 10.4" Color TFT	20 I/O Slim CPU	60W
	MM-SMART-24-HG3F	\$2,300	\$5,327	\$3,027	HG3F 10.4" Color TFT	24 I/O All-in-One CPU	60W
	MM-SMART-20-HG4F	\$2,500	\$5,889	\$3,389	HG4F 12.1" Color TFT	20 I/O Slim CPU	60W
	MM-SMART-24-HG4F	\$2,500	\$5,927	\$3,427	HG4F 12.1" Color TFT	24 I/O All-in-One CPU	60W
MicroSmart Pentra	MM-PENTRA-16-HG1F	\$799	\$1,968	\$1,169	HG1F 4.6" Mono STN	16 I/O Slim CPU	30W
	MM-PENTRA-24-HG1F	\$799	\$2,168	\$1,369	HG1F 4.6" Mono STN	24 I/O All-in-One CPU	30W
	MM-PENTRA-16-HG2F-C	\$1299	\$3,319	\$2,020	HG2F 5.7" Color STN	16 I/O Slim CPU	30W
	MM-PENTRA-24-HG2F-C	\$1299	\$3,519	\$2,220	HG2F 5.7" Color STN	24 I/O All-in-One CPU	30W
	MM-PENTRA-16-HG3F	\$2295	\$5,269	\$2,974	HG3F 10.4" Color TFT	16 I/O Slim CPU	30W
	MM-PENTRA-24-HG3F	\$2295	\$5,469	\$3,174	HG3F 10.4" Color TFT	24 I/O All-in-One CPU	30W
	MM-PENTRA-16-HG4F	\$2495	\$6,069	\$3,574	HG4F 12.1" Color TFT	16 I/O Slim CPU	30W
	MM-PENTRA-24-HG4F	\$2495	\$5,869	\$3,374	HG4F 12.1" Color TFT	24 I/O All-in-One CPU	30W

*Based on suggested retail price **HG1F: Light Gray Bezel, RS232 Comm., HG2F/3F/4F: Light Gray Bezel, All packages come with WindLDR & WindO/I-NV2 software



www.idec.com/oi



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IDEC on the Web

The IDEC website has many new features to help find the best automation solution for your business. IDEC company information, news and products are easily accessible at www.idec.com/usa. If you navigate to a product you are interested in, these pages each contain an overview of the product with highlights, as well as additional tabs with downloads, and available accessory and product details.

For technical questions, please check out the Product Support page. CAD drawings and product cross-reference materials are just a few of the features offered. An easy-to-use locator can also help you find the distributor or sales representative nearest to your location. It's all just a few clicks of the mouse away!

www.idec.com/plc

Product Information

Touchscreens/ Operator Interfaces:
www.idec.com/oi

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

IDEC SmartRelay:
www.idec.com/smartrelay

WindLDR software:
www.idec.com/software

Product Support

Technical support:
support@idec.com

PLC Training:
www.idec.com/usa/training

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

Phone:
 1.800.262.IDEC