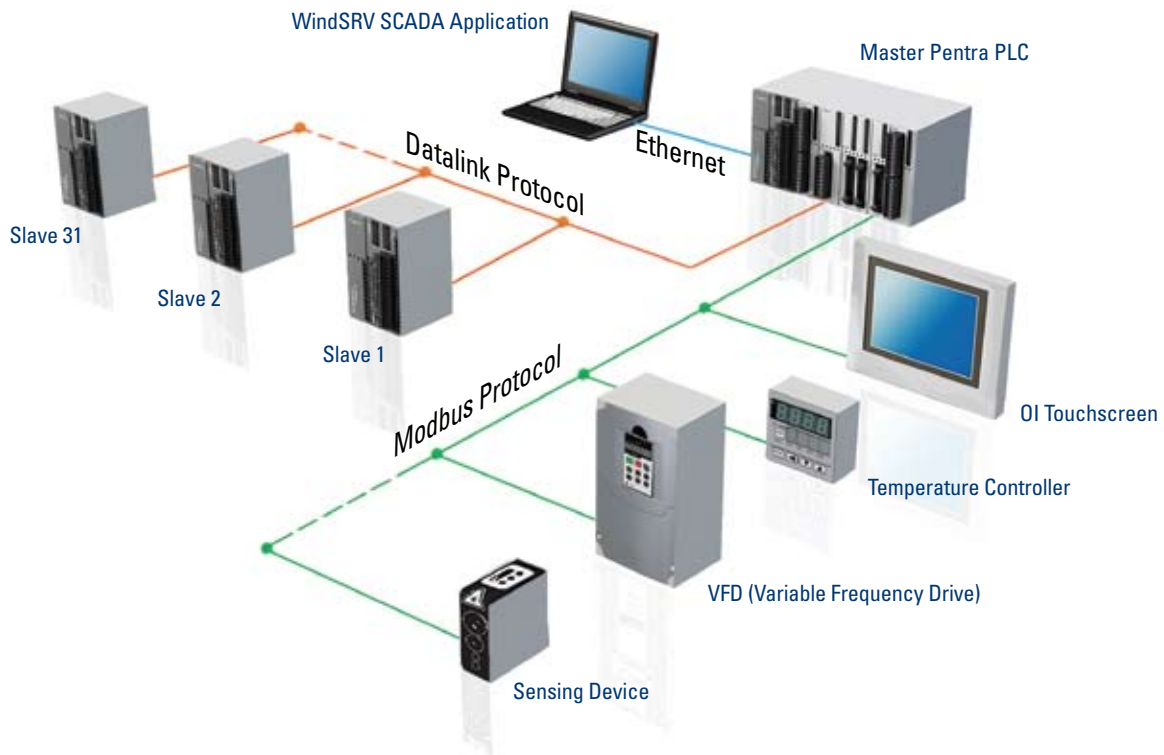


Direct connectivity

Linking your client applications with IDEC PLCs



A True Plug-and-Play OPC Server

Looking for a fast and flawless controls solution? Want your control systems centralized, easy-to-manage and able to take advantage of all the components you already have? WindSRV, also known as KEPServerEX, is an OPC server, that provides direct connectivity between client applications and IDEC PLCs. It's a true plug-and-play OPC Server with effortless data management, acquisition, monitoring and control.

Industrial strength, Easy-to-use

The intuitive interface makes connecting to IDEC PLCs so easy that within minutes you can be providing data to your application. KEPServerEX maximizes the promise of OPC through the use of a single server interface, ensuring:

- Shorter product learning curves
- Reduced system training and maintenance costs
- Improved network reliability, regardless of the control system in use

Controls at your fingertips

A maximum of 100 MicroSmart/MicroSmart Pentra PLCs can be connected to the server. Imagine having the ability to centrally monitor and control your whole plant, all at your fingertips. KEPServerEX is designed to allow quick and easy configuration so you can communicate with your devices.

Features and performance

Application Connectivity Support

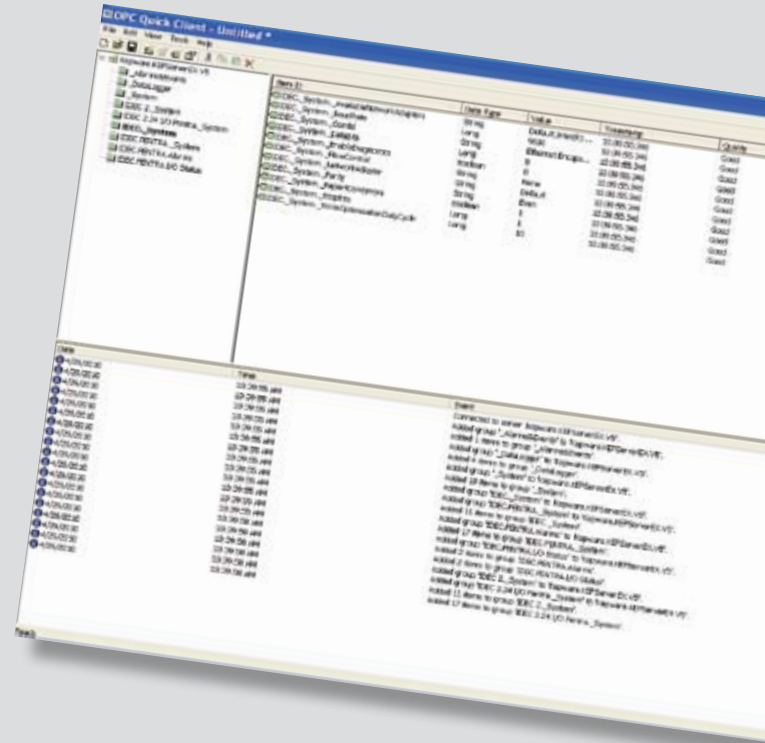
- OPC Data Access Version 1.0a, 2.05a, 3.0
- Fastdde & Suitelink for Wonderware
- SSE Format CF_Text, DDE Format Advanced DDE

Modem Support

KEPServerEX supports the use of dial-up modems to connect to remote devices. Special Modem Tags are also available when a dial-up network modem is created. These tags can be used to dial a remote device, monitor the modem status while connected, and terminate the call.

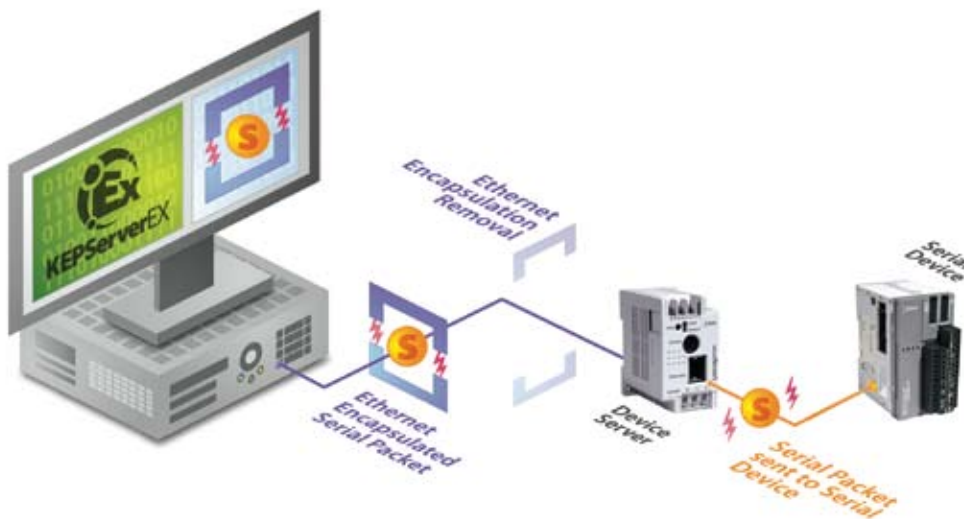
Ethernet Encapsulation

This allows KEPServerEX serial drivers to communicate to devices with serial communication over Ethernet. The driver will communicate in Ethernet Encapsulation mode over the Ethernet to a Device Server, which then provides serial communication to the devices. This allows you to incorporate a MicroSmart Pentra, with Web Server module, into the Ethernet network.



Quick Client

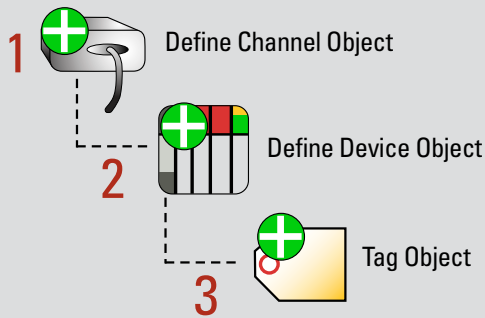
OPC Quick Client allows initial connectivity testing. Using Quick Client, you can access all data available to the server application, including System, Diagnostic, and User-defined tags. After you've created a simple KEPServerEX project, auto launch Quick Client from the server toolbar to test your device connection.



Easy to use and setup

It's as simple as 1-2-3

KEPServerEX is designed to allow quick and easy configuration of your communications.



Step 1 Select a driver

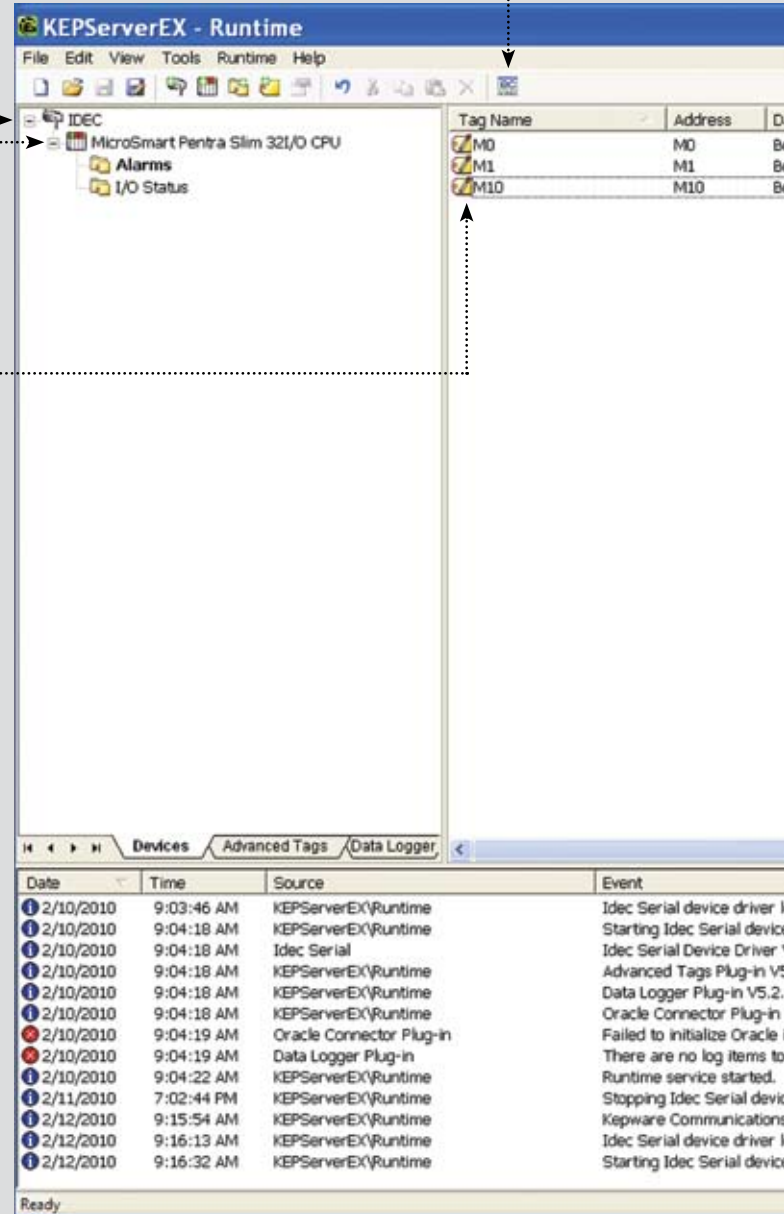
Each protocol or driver used in the KEPServerEX server and project is referred to as a channel. Channels are specific communication drivers such as RS232C, Ethernet or Dial-up modems. A project can consist of many channels.

Step 2 Specify the device

Configure the PLC you want to communicate with the server. KEPServerEX supports MicroSmart Pentra, MicroSmart, OpenNet controllers and even older FA and Micro3 series.

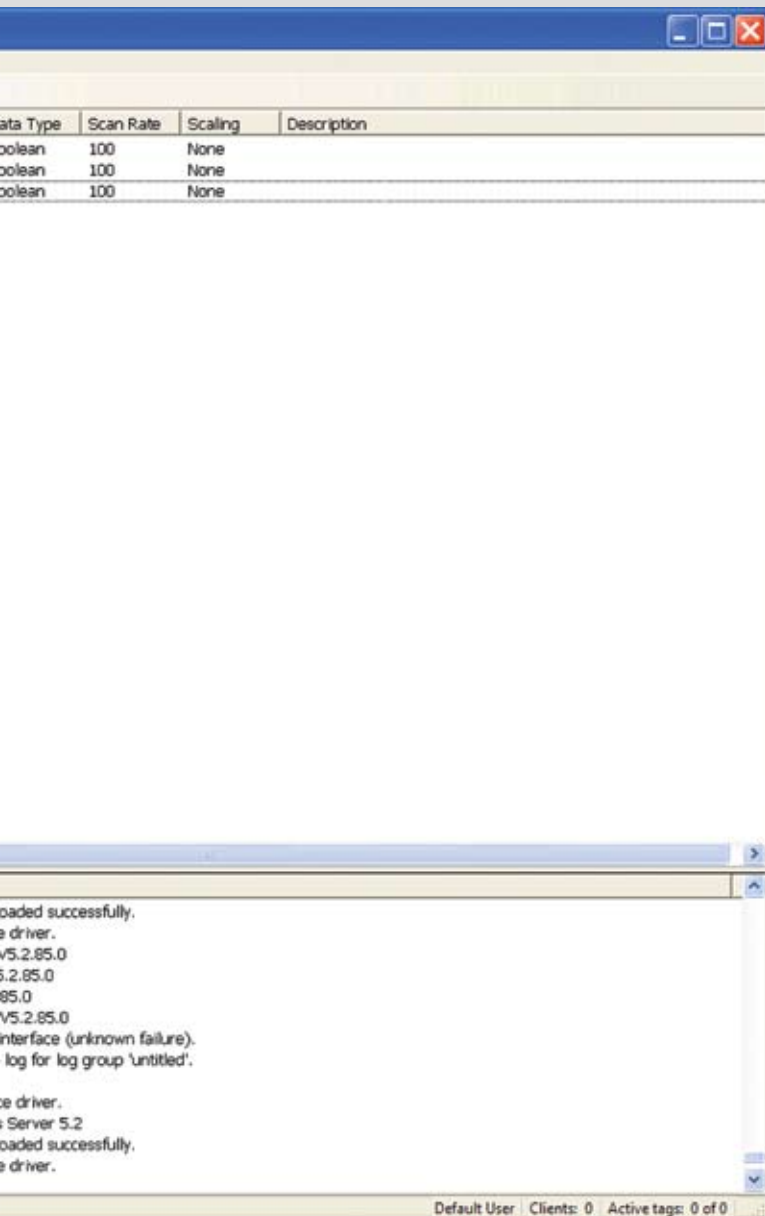
Step 3 Create tags

A tag is memory allocation in the PLC. You can monitor input, outputs, internal relays and data registers. You can also create a Tag Group that allows you to monitor each set of PLC parameters such as I/O status, alarm conditions, etc.



Quick Client

Once tags or tag groups are created in your project, click on the Quick Client icon to start monitoring these parameters. Quick Client is a quick way to determine if the server is connected to the PLCs.



Auto Demotion

This device allows a driver to temporarily place a KEPServerEX device off-line in the event that a physical device is not responding. By placing a non-responsive device off-line, the driver can continue to optimize communication with the device.

Tag Creation and Management

Tag Grouping, Drag and Drop editing and CSV Import/Export are basic features to make it easier for you to organize your next project. Another feature that you will find useful is Automatic Tag Database Generation. KEPServerEX supports automatic regeneration of tags for select communication drivers. Drivers that support this feature can either read tag information directly from a device or generate tags from stored tag data. You no longer need to enter OPC tags into the server.

On-Line Full-time

KEPServerEX is on-line all the time, allowing your application to be modified while the server is communicating with client applications. Almost all parameters can be changed while the server is running, including com port and baud rate configuration, along with tag editing and additions.

Supports MicroSmart Pentra 32-bit registers and floating point data

KEPServerEX version 5 now supports MicroSmart Pentra complete addressing, including 32-bit data and floating point data.

Use Microsoft Excel

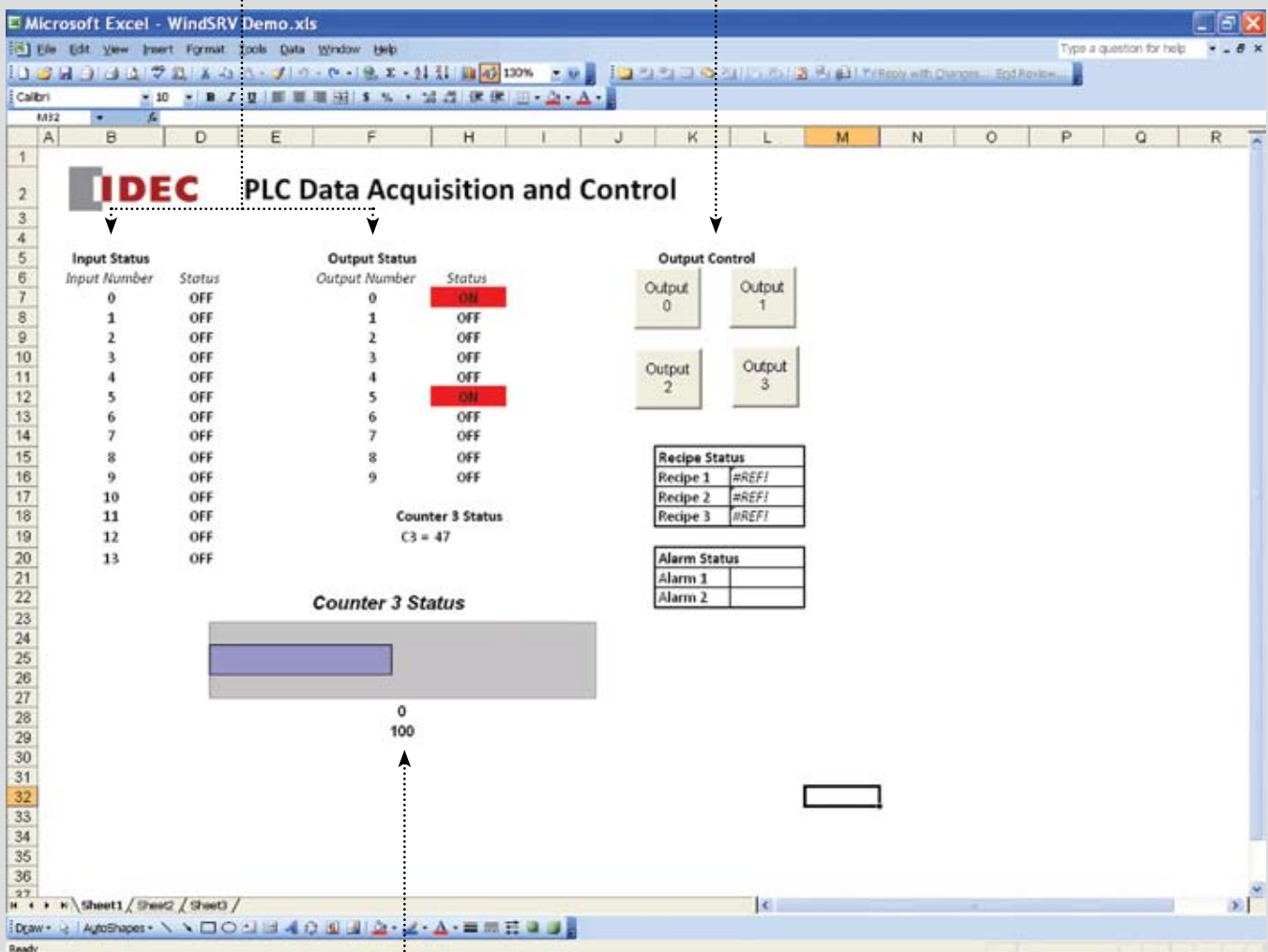
Using Microsoft Excel as Client Applications

Using Microsoft Excel, available on most PCs, customers can create a visual central monitoring station quickly and effectively. System status such as sensor inputs, motor outputs, etc. can be monitored and controlled. It's a cost-effective, real-time central monitoring system that can be customized to your needs. With just KEPServerEX server and Excel, up to 100 PLCs can be monitored and controlled in real time.

Sample application using Microsoft Excel

Input and output status such as switches, sensors, flow meters, E-stops, motors, etc. can be monitored in real time.

Output devices such as motors and valves, can be controlled with just a single click.



Using the graph feature in Excel, users can create a custom presentation to monitor water tank levels or production counts. And that isn't all, there is so much more you can do and create using Excel.

What you need

Part Numbers and Pricing

Part Number	Description	List Price
WINDSRV-1	Single device connection. One PLC can be connected to the server.	\$295
WINDSRV-4	Four device connections. Up to 4 PLCs can be connected to the server.	\$495
WINDSRV-U	Unlimited device connections. Up to 100 PLCs can be connected to the server.	\$795

KEPServerEX System Requirements

Supported Operating Systems:

Windows 98
Windows NT
Windows 2000
Windows Server 2003
Windows XP
Windows Vista
Windows 7

PC Hardware:

Minimum	Recommended
Pentium 200 MHz CPU	Pentium 400 MHz CPU
32 MB RAM	64 MB RAM
10 MB of free hard drive space	10 MB of free hard drive space

MicroSmart Pentra PLC

- Fastest through-put micro PLC in the market
- Supports up to 7 communication ports
- Built-in Modbus RTU/ASCII Master and Slave for each port
- 56 PID Loops with Auto-tune
- Expandable up to 512 local I/Os
- Create networks with up to 95,000 I/O points
- Powerful and intuitive programming software
- Global Standards: CE, cULus, Class 1 Div. 2, ABS Type Approved



MicroSmart Pentra can create a network with up to 95,000 I/O

Expanding your system has never been easier! MicroSmart Pentra is the only micro PLC on the market that allows your control systems to seamlessly communicate with up to 7 serial devices. It has the capability to network up to ten thousand I/O points and even talk multiple communication protocols on the same system, making it simple to create a subsystem network using IDEC Datalink protocol or the standard Modbus RTU/ASCII protocols.

For more information visit:
<http://smart.IDEC.com>



Attend a 3-Day Seminar and receive a Training Package*

- Learn to program IDEC Automation products in just 3 days
- Real-world application examples
- Hands-on training

PLC and OI Training Seminars

IDEC training courses take a hands-on approach using real world examples to enhance your learning and retention. Our 3-day training course consists of two days of basic and advanced PLC training and one day of OI touchscreen training. At completion of training, you will understand how a PLC operates, as well as be able to program, debug and maintain IDEC automation systems.



Earn Continuing Education Units (CEU)

Through a collaboration with IEEE, you can now further your education without compromising quality for convenience. When attending our 3-day PLC/OI training seminar, you can qualify and receive up to 2.4 CEUs (24PDHs).

For seminar schedule and location visit: <http://training.IDEC.com>

Product Information

WindSRV
www.IDEC.com/software

PLCs
www.IDEC.com/PLC

Product Support

Technical support:
support@IDEC.com

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

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

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www.IDEC.com

USA
IDEC Corporation
Tel: (408) 747-0550
opencontact@IDEC.com

Canada
IDEC Canada Ltd.
Tel: (905) 890-8561
sales@ca.IDEC.com

Australia
IDEC Australia Pty. Ltd.
Tel: +61-3-9763-3244
sales@au.IDEC.com

Japan
IDEC Corporation
Tel: +81-6-6398-2571
products@IDEC.co.jp

United Kingdom
IDEC Electronics Ltd.
Tel: +44-1256-321000
sales@uk.IDEC.com

Germany
IDEC Elektrotechnik GmbH
Tel: +49-40-253054-0
service@IDEC.de

Hong Kong
IDEC (H.K.) Co., Ltd.
Tel: +852-2803-8989
info@hk.IDEC.com

China/Beijing
IDEC (Beijing) Corporation
Tel: +86-10-6581-6131
idec@cn.IDEC.com

China/Shanghai
IDEC (Shanghai) Corporation
Tel: +86-21-5353-1000
idec@cn.IDEC.com

China/Shenzhen
IDEC (Shenzhen) Corporation
Tel: +86-755-8356-2977

Singapore
IDEC Asia Pte. Ltd.
Tel: +65-6746-1155
info@sg.IDEC.com

Taiwan
IDEC Taiwan Corporation
Tel: +886-2-2698-3929
service@tw.IDEC.com

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