

EDAS CE

entity
studio™

Now Available With
Entity Studio
Automation and Control
Software



Open Architecture Monitoring and Control

EDAS CE

Open Architecture Monitoring and Control Systems

INCREASE THE PRODUCTIVITY OF YOUR OPERATIONS WITH FAST AND ACCURATE DATA ANYWHERE, ANYTIME.

INDUSTRIAL I/O APPLICATIONS

- Factory Automation
- Process Monitoring and Control
- Machine Monitoring and Control
- Laboratory Automation
- Networked or Stand-alone Data Logging
- Environmental Monitoring and Control
- Remote Data Acquisition

FEATURES / BENEFITS

• Entity Studio

Combine the industry's leading automation and control software with EDAS CE for a complete hardware-software solution. Powered by the industry-standard Microsoft® Visio® drawing technology solution, development is faster, with flexibility and scalability, providing rapid improvements in productivity.

• Open Architecture

Leverage open standards for lower total cost of ownership. Open systems environment provides easy interface to existing and future plant-wide systems. Take advantage of existing network infrastructure, lower cost network components and trained staff for networking and application development.

• Windows CE

Easy application development using Microsoft's eMbedded Visual C++. Windows CE 3.0 provides true multitasking allowing both control and monitoring functions to run simultaneously on an EDAS CE device.

• Modular I/O

Industrial modular case design provides 8 to 192 channels of I/O per base unit. Supports any combination of analog and digital I/O, and RS-232 data, giving EDAS CE the flexibility to meet a wide range of I/O requirements.

Open Architecture Industrial I/O

The EDAS® CE was designed using open architecture standards allowing for easy development and deployment into existing and future automation systems. By leveraging the efficiencies of standard technology, you are ensuring a lower total cost of ownership. With EDAS CE you can take advantage of your existing network infrastructure, lower component costs and trained staff for networking and application development. Digital I/O, analog I/O, RS-232, 10/100BaseT Ethernet, and Windows CE, all in an industrial modular package, make EDAS CE the ideal solution for a wide range of applications in today's open architecture manufacturing environment.

Modular I/O Offers Flexibility

The modular architecture of EDAS CE allows you to mix and match I/O as necessary to meet the needs of a wide range of automation, control, and monitoring applications. Each EDAS CE system supports up to 12 modules allowing for systems from 8 to 192 I/O points per base unit.

The modules provide connectivity to virtually all sensors including temperature, pressure, flow, voltage, current, contact closures and RS-232 devices. All in a rugged and reliable industrial DIN-rail mount package.

Networked and Stand-Alone Operation

With built-in 10/100BaseT Ethernet the EDAS CE is ready to run networked applications, providing connectivity across your enterprise. Other networked devices can communicate with the EDAS CE to read and write its I/O points or an application can be downloaded to run directly on the unit. Applications running on the EDAS CE can operate standalone allowing the unit to provide real-time control during network downtime. The EDAS CE supports Compact Flash cards with up to 500 Mbytes of non-volatile local storage, making it ideal for standalone or remotely accessed data logging applications.

Microsoft eMbedded Development Tools

Applications development for deployment on the EDAS CE can be done using Microsoft's eMbedded Visual C++ development environment. Interface to system, network, and serial ports uses the standard Windows 32 API. Interface to the I/O modules is done through the CE Link API. Windows CE allows a company to leverage their Windows development expertise to deploy applications on the floor.

The Windows CE 3.0 operating system provides true multitasking with 256 priority levels allowing both high priority control tasks and lower priority monitoring tasks to be run simultaneously on the same device.



Now available with Entity Studio. EDAS CE is now available with the Entity Studio™ runtime. Applications developed with Studio can now be targeted to execute on the EDAS CE.

Entity Studio offers a *complete* automation and control software solution with transparent control scalability across a full range of Microsoft Windows platforms, built-in productivity analysis, enterprise connectivity, and a Unified Development Environment incorporating Microsoft® Visio® drawing technology for control logic and human-machine interface (HMI).

Studio Delivers Productivity to OEMs, System Integrators and Users...

Based on open standards for enterprise integration and automation systems, Entity Studio is a complete, integrated software environment allowing you to design, develop, test, debug, implement, simulate, analyze plus support a wide range of automation solutions. Benefits include:

- **Faster development** with Unified Development Environment powered by industry-standard Microsoft® Visio® drawing technology for both logic and HMI solutions, as well as a broad range of automation project documentation.
- **Flexibility with scalability** allows for timesaving reuse of common logic and screens. You can develop automation solutions on Windows 2000/NT and deploy them on a wide range of hardware platforms, including PCs and embedded Windows NT and Windows CE devices.
- **Tightly integrated control and information systems**, with open standard protocols for fast, easy integration. Extensive connectivity from enterprise wide to plant floor connectivity.
- **Rapid improvements in productivity** with new and legacy systems by using Studio's productivity tools which include automatic graphical information displays coupled with Studio's built-in machine and process monitoring tools.
- **Flexible, maintainable systems with open architecture interfaces and self-documenting logic** with flowchart programming.
- **Easier application deployment and troubleshooting** with automatic connectivity that features advanced debugging and simulation tools and remote support capabilities.

Ethernet Connectivity

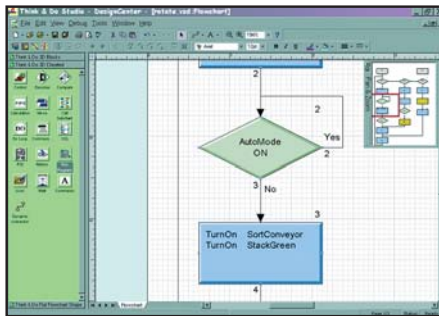
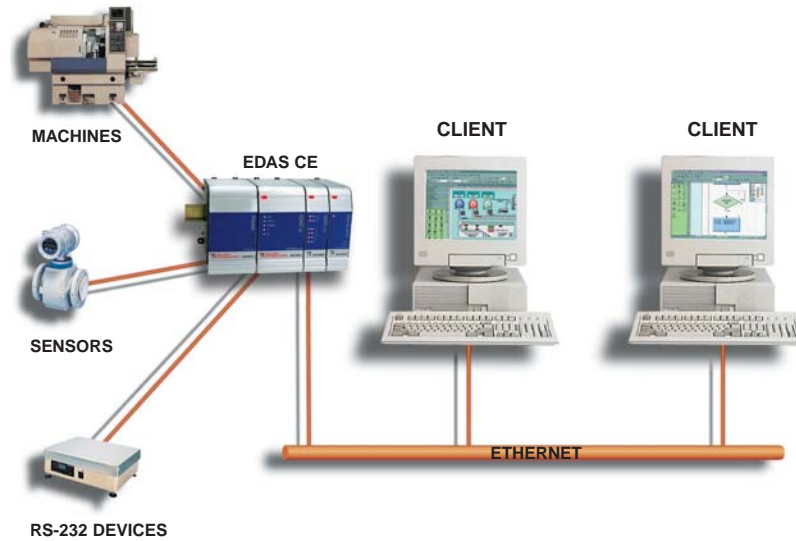
Ethernet delivers high-speed networking with 10 and 100 Mb/s. Most facilities already have Ethernet installed and components are widely available at very low cost. Ethernet and TCP/IP are standard, integrated components of the PC, Windows, and the Internet.

Network Standards

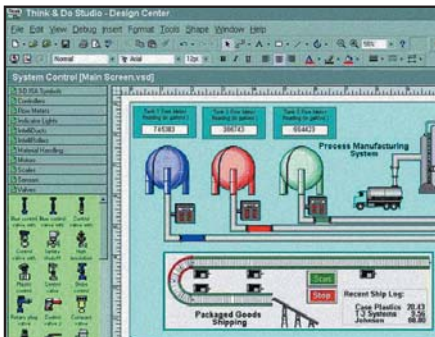
EDAS CE supports TCP/IP, UDP, SNMP, DHCP, HTTP and time synchronization.

Non-Volatile Storage

EDAS CE can support over 500 MB of non-volatile storage allowing it to be used in stand-alone data logging applications or to continue operating and logging data in the event of a network disruption.



Entivity Studio provides an Unified Development Environment for both HMI and flowchart design.



Studio's DesignCenter offers automation users a common drawing file format and extensive tools.

ORDERING INFORMATION		
Part Number	Module	Description
EDAS-2000E-1	Base unit	10/100baseT Ethernet 16MB RAM (64MB max), 8MB Compact Flash (500MB max) RS-232 serial port
EDAS-2000E-3	Base unit	EDAS-2000E-1 with Entivity Studio Runtime
EDAS-2001E-1	Power Supply	90-260 VAC, 50-60Hz
EDAS-2002M-1	Digital I/O	8 inputs, 4 outputs, 24VDC
EDAS-2003M-1	Analog Input	16 SE/8 DIFF, 12-bit resolution, voltage, current and thermocouple inputs (built in CJC)
EDAS-2004M-1	Digital Input	16 inputs, 24V
EDAS-2004M-2	Digital Input	16 inputs, 120V
EDAS-2004M-3	Digital Input	16 inputs, 240V
EDAS-2005M-1	Digital Output	12 outputs, 24 VDC
EDAS-2006M-1	Analog Output	8 outputs, 0 to 10V
EDAS-2008M-1	Serial Port	4 RS-232 serial ports
EDAS-2010M-1	Relay Output	12 relays, 2A@30VDC or 250VAC
EDAS-2011M-1	Digital Output	12 triac outputs, 2A@24VAC to 250VAC
EDAS-2012S-1	Development Software	Entivity Studio 7.0

Intelligent Instrumentation products are sold and supported in more than 30 countries through a worldwide network of Intelligent Instrumentation Regional Marketing Centers, independent representatives and system integrators. For your convenience, Intelligent Instrumentation maintains an electronic sales and support directory on our web site. To contact the local office nearest you anywhere in the world visit our web site at www.EDASce.com.



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