

IDEC Web Server Module

Part Number	Description
FC4A-ENET	Web Server module including interface cable, manual on CD-ROM and Quick Start guide

General Specifications

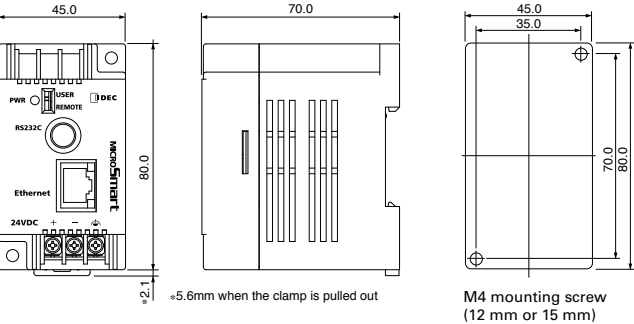
Rated Power Voltage	24V DC
Allowable Voltage Range	20.4 to 26.4V DC
Current Draw	70mA
Allowable Momentary Power Interruption	10ms maximum
Dielectric Strength	500V AC, 1 minute
Insulation Resistance	10MΩ minimum (500V DC megger)
Noise Resistance	DC power terminal: 1.0kV, 50ns to 1μs Ethernet cable: 0.5kV, 50ns to 1μs (coupling clamp)
Inrush Current	4A maximum
Operating Temperature	0 to 55°C
Storage Temperature	−40 to +70°C (no freezing)
Relative Humidity	10 to 95% (no condensation)
Pollution Degree	2 (IEC 60664-1)
Corrosion Immunity	Free from corrosive gases
Degree of Protection	IP20 (IEC60529)
Vibration Resistance	When mounted on a DIN rail: 5 to 9Hz amplitude 3.5 mm 9 to 150Hz acceleration 9.8m/s <sup>2</sup> (1G) 2 hours in each of 3 axes
Shock Resistance	147m/s <sup>2</sup> (15G), 11ms duration 3 shocks each in 3 axes
Weight (approx.)	150g

Interface Specifications

Communication	RS232C <=> Ethernet conversion function
Ethernet Specifications	Electrical characteristics: Complies with IEEE802.3 10BASE-T/100BASE-TX (Not CE compliant) Transmission speed: IP/ICMP/ARP Communication protocol: TCP/SMTP/HTTP/Telnet Ethernet protocol: No. of TCP connections: 1
Serial I/F Specifications	Electrical characteristics: EIA RS232C Transmission speed: 9600 to 115200 bps Synchronization: Asynchronous Communication protocol: Full duplex Transmission control: RTS/CTS, XON/OFF, None
Connection Method	Ethernet interface: RJ45 Serial interface: Mini DIN 8-pin connector Cable Type No.: FC4A-KC3C
Major Functions	Remote maintenance: Uploading, downloading and monitoring using WindLDR via Ethernet
	Web server: Configure the web server unit using Internet Explorer etc. Reading and writing PLC operands using Java applet. Web file area: 512 Kbyte Compliant browser: Internet Explorer 6.0 Netscape 7.2
	Data Exchange: User communication using Ethernet Alarm Messaging: Registered outgoing message 32 message types 3 characters max. 2 email addresses 64 address characters max.
Option	Utility CD: Configuration file, PLC operand monitor sample programs, sample program configuration instructions, instruction manual

Specifications and other descriptions in this catalog are subject to change without notice.

Dimensions



Connectable Devices

- Programmable Controllers  
 IDEC FC5A MicroSmart (available soon)  
 IDEC FC4A MicroSmart  
 IDEC FC3A OpenNet Controller  
 IDEC FC2A Micro3C
- Operator Interface  
 (RS232C communication with PLC through Ethernet)  
 IDEC HG2F

Monitor, Control and Maintain Production From Anywhere



IDEC Web Server Module



Think Automation and beyond...

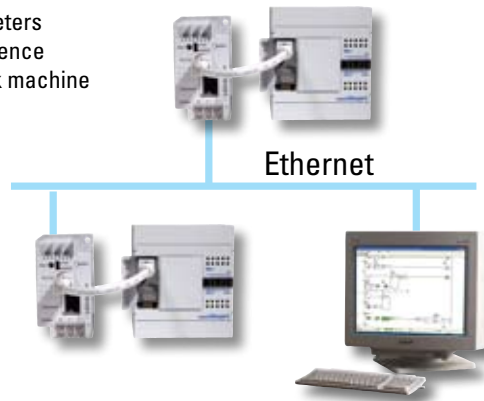
www.idec.com  
 1-800-262-IDEC

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 Catalog No. FC9Y-B200-0 17.5k 4/06

# Save Time and Experience Faster, Easier Ethernet Connectivity

## Remote Maintenance

- Easily monitor machine conditions, change machine configurations, or upload and download user programs from anywhere, using IDEC WindLDR software over an Ethernet network.
- For a more graphical display and remote data archiving, OPC servers, such as IDEC WindSRV or standard SCADA software, can be used.
- Save time and money:
  - Access system parameters from your desk, conference room or home to check machine status without walking the factory floor.
  - If a machine is down, you no longer need to send someone with their laptop to debug or download a new user program.



FC4A-ENET

## Web Monitoring



- Machine status can be monitored and controlled from any PC using standard internet browsers such as Internet Explorer or Netscape®.
- A built-in custom template, which allows you to monitor and change system parameters, is included.
- Get more flexibility and control by creating your own custom templates – for monitoring and managing your system – using JAVA programming.

## Alarm Messaging

- Real-time updates of error status or process conditions can be sent to an email address or cellular phone.
- A maximum of 32 customizable messages can be predefined with up to two email addresses each.



## O/I Connectivity

- Using the IDEC Web Server Module on an Ethernet network, an IDEC PLC can be configured as a host to an IDEC operator interface. This allows the touchscreen and PLC to be in separate locations.
- No longer hassle with specialized cables and serial connection limitations.

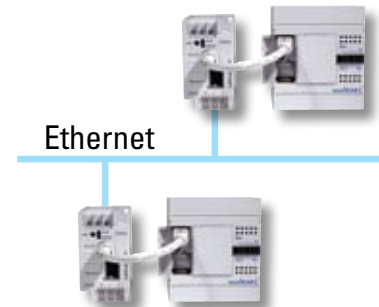


Ethernet



## Data Exchange

- An IDEC PLC can transmit and receive data with external devices – IEC PLCs, operator interfaces, or other devices – in 1:1 format.



## Password Protection

- The IDEC Web Server Module can be configured with password protection to allow only authorized personnel to gain access to your system.

ID

JSmith

Password

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