

PP

Distributed Monitoring & Control Network

F&eIT[®]

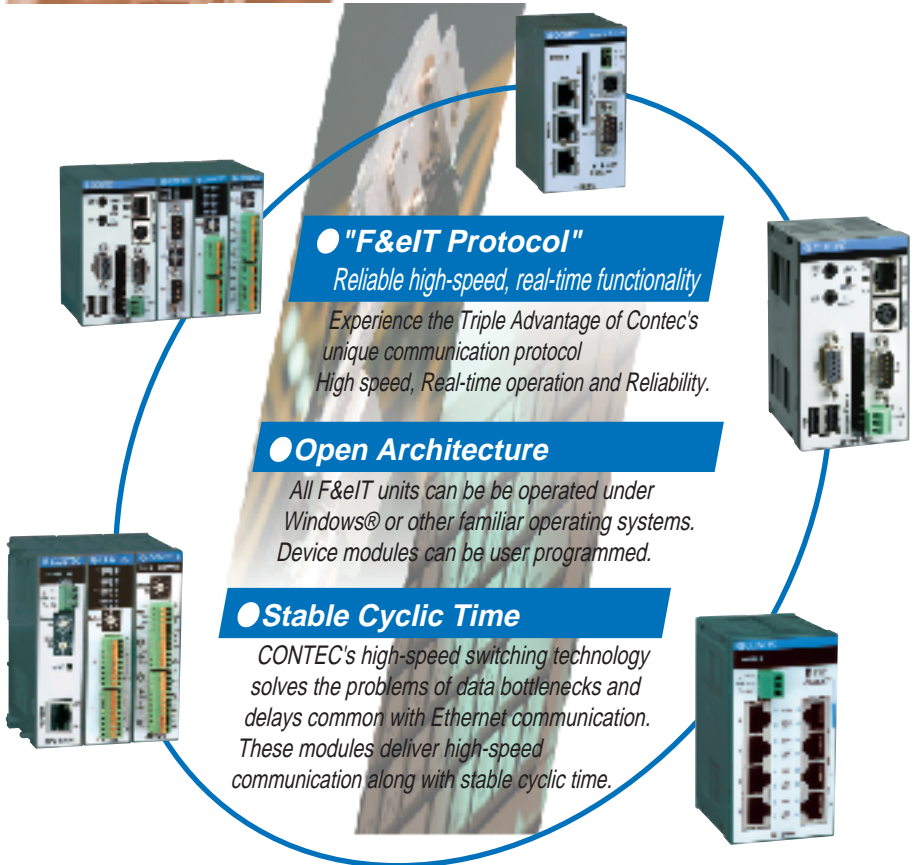
F&eIT, CONTEC's premier automation solution, integrates industrial computers and instrumentation/control with network development technologies.

F&eIT provides you with an ideal automation system for all areas of industry — all the way to corporate offices.



F&eIT provides you with an ideal environment for automation

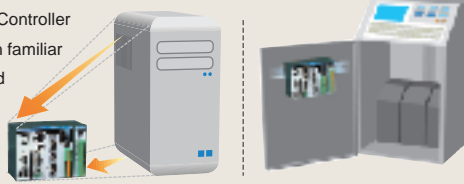
The sudden spread of the Internet has resulted in networks springing up in a wide range of fields. This, in turn, has resulted in the appearance of many information devices that make use of this infrastructure. Yet, it is a fact that interconnectivity - the greatest advantage of networks - is not being used to its fullest. CONTEC sees networks as a prime part of the system bus concept and has developed distributed monitor & control networks that organically integrate various applications from corporate offices through to field applications.



For the latest information on supported hardware, visit our Web site.
<http://www.contec.com/fit/>

1 The simplest and Most Compact Solution for On-site Computers

This ultra-compact [94mm(H)x64.7mm(D)] Micro Controller delivers the functions of a full size PC and runs on familiar operating systems including Windows®, Linux and DOS.



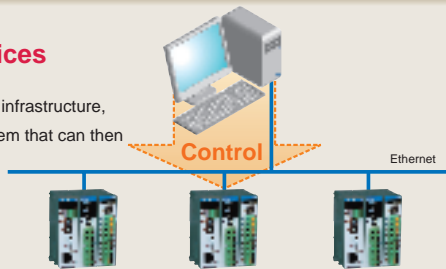
Micro Controller



A-09

2 Allows Central Monitoring and Control of Remote Devices

By incorporating Ethernet and USB into the system's infrastructure, you can easily configure a lead-free Remote I/O system that can then be monitored and controlled from a central computer.



I/O Controller



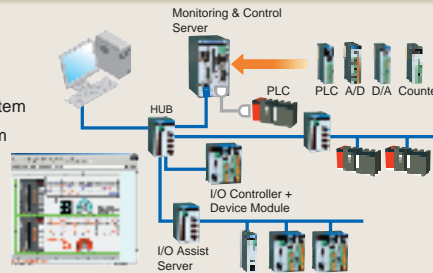
USB-based Ethernet-based

L-01

L-03

3 Easily Configured Remote Monitoring & Control

You can develop a multi-function remote monitoring system that can monitor, update and log I/O information, perform task control and send alarms via e-mail. This system can be completely developed and implemented on a web browser.



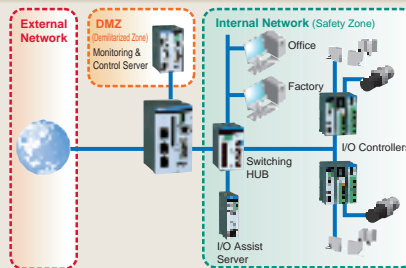
Monitor & Control Server



P-03

4 Visual Segmentation of Industrial LAN / Internet Access

An ultra-compact and lightweight firewall router enables virtual segmentation of F&eIT Series and industrial systems (including PLCs) while allowing Internet access.



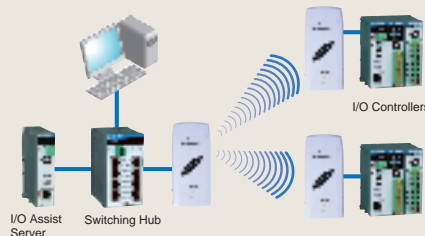
Security Server



P-03

5 Wireless networks deliver greater freedom

Wireless networking is now possible using IEEE802.11a/b/g compliant micro access points. Increased potential of F&eIT is realized with the addition of mobile communications and the elimination of unwieldy wiring.



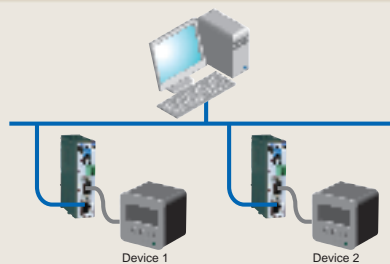
Micro Access Point



P-03

6 Ethernet integration of existing resources

By converting existing communication interfaces into ethernet (both wired and wireless) you can easily integrate the communications from existing industrial equipment and resources with those of the F&eIT device modules.



Media Converter



RS-232C/422 ↔ Wire/Wireless LAN GPIB ↔ Wire LAN

J-09

K-06

news box

CONTEC SOLUTION

Company Profile

Box PCs

Panel PCs

Flat Panel Displays

Silicon Disk Drive

Options

Box PCs & Panel PCs with Windows CE

Analog I/O

Digital I/O

Counters & Motor Controls

Communication

GPIB

Remote I/O

Bus Expansion System

Software

Accessories & Cables

Distributed Monitor & Control Network: F&eIT

Multi-Programmable Display

Remote Monitoring Solution

Service & Products

P-02

F&eIT

- news box
- CONTEC SOLUTION
- Company Profile
- Box PCs
- Panel PCs
- Flat Panel Displays
- Silicon Disk Drive
- Options
- Box PCs & Panel PCs with Windows CE
- Analog I/O
- Digital I/O
- Counters & Motor Controls
- Communication
- GPiB
- Remote I/O
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- Distributed Monitor & Control Network: F&eIT**
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Remote monitoring and control - No programming needed

Monitoring & Control Server

Intelligent and multi-function.

All processes can be managed on a web browser.

This intelligent Server Unit is provided with multiple functions including a Web server that can remotely monitor and update I/O information as well as task scripting, logging and e-mail transmission. Simplicity of design enables development and implementation to be easily performed on a web browser.

SVR-MMF(FIT)GY

Ver.2.20

※ Power Supplies Optional



Installation on DIN track

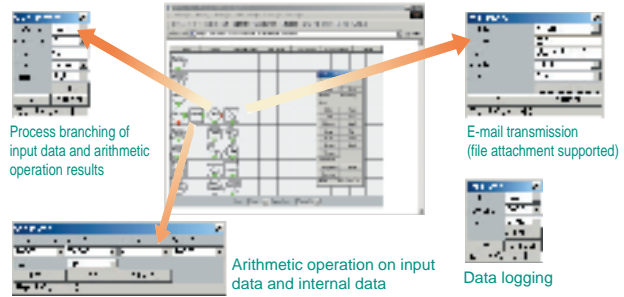
Web Monitoring

Preloaded with a Web server (Java applet) function, the SVR-MMF (FIT)GY enables monitoring and updating of I/O information from remote sites using a web browser. GUI components (such as graphs, sliders and buttons) and imported image data can be user formatted on the display. All aspects of setup, from screen configuration to linking with the I/O information can be completed using a web browser.



Web Task Script

By combining such tasks as arithmetic operation, conditional branches, data output, e-mail transmission and data logging, execution processes and tasks can be set up much like a flowchart. All steps can be completed using a Web browser.



Ultra-compact, Lightweight Firewall Router for Embedded Use

Security Server

Prevents unauthorized access.

Ensures network security while communicating via the Internet.

This ultra-compact and lightweight firewall router, designed for embedded use, prevents illegal offsite access. This router is suited for use not only with the F&eIT Series but also to provide virtual segmentation of PLCs and other industrial equipment or to provide Internet access to your network.

SVR-SEC(FIT)GY

*Power Supplies Optional



Installation on DIN track

Firewall Function

Security Server prevents unauthorized outside access.

NAT (Address Translation) Function

The Security Server is provided with a port address translation function for translating private addresses into a single public address to ensure protection from illegal accessing.

Port Forward Function

By dividing up the host that performs data transmission according to individual applications, concentrated communication loads can be distributed as needed.

Simple Setting

Various security settings can be set up easily on a Web browser.

The Expanding Potential of F&eIT

Wireless LAN Micro Access Point

Wireless LAN for F&eIT / Network connection with industrial systems

FX-DS540-APDL (af)

IEEE802.11a/b/g 54Mbps



FX-DS540-APL

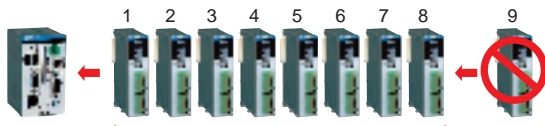
IEEE802.11a 54Mbps

- Devices with a built-in (wired) Ethernet communication port can be converted to wireless irregardless of OS or protocol.
 - The unit can be used as an access point for small-scale wireless LAN systems.
 - A UTP cable power supply (sold separately) is available.
- *Indicated figures are logical maximum values according to wireless LAN standards, and do not indicate the actual data transmission speeds.



AC Adapter included FX-DS540-APDL (af)

Device Modules Compatability Table



Max 8 modules

(Total power consumption 3 A or less)

A maximum of eight modules can be stacked on one unit.

However, the power consumption of the configuration of connected device modules cannot exceed a total of 3 Amps.

Function	Model	Power Consumption	CPU-SB22/256(FIT)	CPU-SB21/256(FIT)GY	CPU-SB20/256(FIT)GY	CPU-SB20/128(FIT)GY	CPU-SB10/128(FIT)GY	CPU-CA20(FIT)GY	CPU-CA10(FIT)GY	CPU-CA10(USB)GY	SVR-MMF(FIT)GY	SVR-IOA2(FIT)GY	SVR-IOA(FIT)GY
Isolated Digital I/O													
12 to 24 VDC 16 Inputs/12 to 48 VDC 16 Outputs	DIO-16/16(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
12 to 24 VDC 8 Inputs/Outputs	DIO-8/8(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
36 to 48 VDC 8 Inputs/Outputs	DIO-8/8H(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
12 to 24 VDC 4 Inputs/12 to 48 VDC 4 Outputs	DIO-4/4(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
Non-isolated Digital I/O													
TTL (5 VDC) 8 Inputs/Outputs	DIO-8D(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
Isolated Digital Input													
12 to 24 VDC 32 Inputs	DI-32(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
12 to 24 VDC 16 Inputs	DI-16(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
36 to 48 VDC 16 Inputs	DI-16H(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
12 to 24 VDC 8 Inputs	DI-8(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
Isolated Digital Output													
12 to 48 VDC 32 Outputs	DO-32(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
12 to 48 VDC 16 Outputs	DO-16(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
12 to 48 VDC 8 Outputs	DO-8(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
Isolated Analog Input													
Isolated analog input, 12 bits, 8 channels	ADI12-8(FIT)GY	0.35A	○	○	○	○	○	○	○	○	○	○	○
Isolated analog input, 16 bits, 4 channels	ADI16-4(FIT)GY	0.30A	○	○	○	○	○	○	○	○	○	○	○
Isolated Analog Output													
Isolated analog output, 12 bits, 4 channels	DAI12-4(FIT)GY	0.40A	○	○	○	○	○	○	○	○	○	○	○
Isolated analog output, 16 bits, 4 channels	DAI16-4(FIT)GY	0.50A	○	○	○	○	○	○	○	○	○	○	○
Pt100 Temperature Sensor Input													
Pt1000 temperature input, 4 channels	PTI-4(FIT)GY	0.50A	○	○	○	○	○	○	○	○	○	○	○
Isolated Counter													
24-bit up/down, 5 to 12 VDC, 2 channels	CNT24-2(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
16-bit up, 12 to 24 VDC, 8 channels	CNT16-8(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
16-bit up, 5 VDC, 8 channels	CNT16-8L(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
Reed Relay Contact Output													
125 VAC/30 VDC 2 A, 4 lead relay contact outputs	RRY-4(FIT)GY	0.15A	○	○	○	○	○	○	○	○	○	○	○
Serial Communication													
RS-232C 2-channel	COM-2(FIT)GY	0.10A	○ ^{*1}	○	○	○	○	○	○	○	○	○	○
RS-422/485 1-channel	COM-1PD(FIT)GY	0.30A	○ ^{*1}	○	○	○	○	○	○	○	○	○	○
GPIOB Communication													
GPIOB (IEEE-488) 1-channel	GP-IB(FIT)GY	0.23A	○ ^{*3}	○	○	○	○	○	○	○	○	○	○

Device modules cannot be stacked.

*1:One module can be connected in the Compatible mode, and up to three modules can be connected in the Enhanced mode.

*2:Only one module can be connected.

*3:Up to three modules can be connected.

Power Supplies

AC-DC Type			DC-DC Type		
Model	Supply Current (5VDC)	Input Voltage	Model	Supply Current (5VDC)	Input Voltage
POW-AD13GY	3.0A	85 to 132 VAC	POW-DD10GY	3.0A	10 to 30 VDC
POW-AD22GY	2.0A	85 to 264 VAC	POW-DD43GY	3.0A	30 to 50 VDC
POW-AD25GY	4.2 to 4.6A	85 to 264 VAC			
POA-AD22	2.0A	90 to 264 VAC			

news box

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Panel PCs

Flat Panel Displays

Silicon Disk Drive

Options

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