

FiTSA series

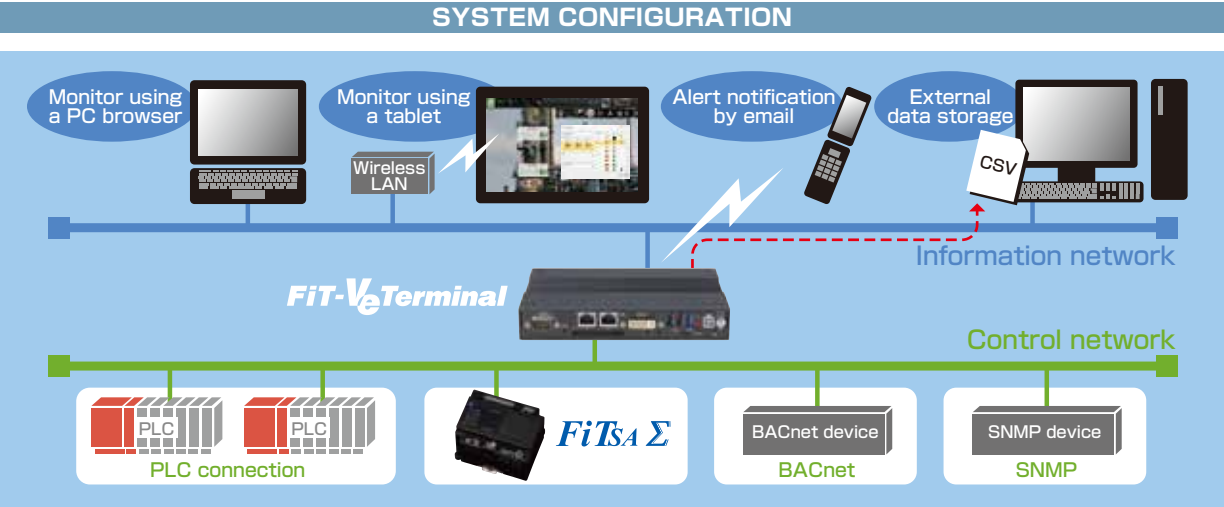
FiT-VeTerminal



Bring User-like evolution to Visualization



LESS
COMPLEXITY,
MORE
FLEXIBILITY



FUNCTION LIST					
			Cycle (shortest)	Maximum number	
Basic functions	Collection and accumulation	Data collection	1 s	—	Display functions
		Historical trend	60 s	7 days	
		Daily report	—	366 days	
		Monthly report	—	24 months	
		Annual report	—	3 years	
Monitoring function	User administration	Screen customization for each user based on login authority administration	—	10 users	Control functions
		Status monitoring	Monitors the status of each facility	—	
		Fault monitoring	Monitors each equipment abnormality	—	
		Instantaneous value upper/lower limit monitoring measurement monitoring	Monitors upper/lower limit abnormalities of the analog input data	—	
		Disconnection monitoring	Monitors input errors (range deviation) in analog input data	—	
Monitoring function	Start/stop failure monitoring	Monitors device operating status during control output	—	—	Report functions
		System monitoring	Monitors the status of system components (PLC, B-BC, Remote I/O)	PLC: 5 s, B-BC: 90 s	
		Graphic display	Displays analog values and device status on system diagrams	5 s	
		Number of symbols per	State changes symbol	—	
		Signal list	Lists each equipment and measurement value	5 s	
Monitoring function	Alarm history	Lists alarms and recovery	5 s	20000 alarms (total)	Report functions
		Action history	Lists device actions	5 s	
		Operation history	Lists device operations	5 s	
		Trend display	Displays of time series graphs of measured values and changes	—	
		Schedule display	Displays device schedule information	—	
Monitoring function	Individual control	Controls the equipment	User setting	—	Report functions
		Schedule control	Controls device operation schedules	Schedule time	
		Report creation	Downloads CSV files by day, month, year	—	
		Number of control signals	Analog input/output, Digital input/output, pulse input, Multi-state input/output	—	
				1000 points	

CONNECTION INTERFACE					
PLC	FujiElectric Mitsubishi Electric Keyence OMRON JTEKT		BACnet	ANSI/ASHRAE Standard 135-2004 ANSI/ASHRAE Standard 135-2004, Addendum a,b The Institute of Electrical EquipmentIIEJ-P-0003:2000 Addendum a The Institute of Electrical EquipmentIIEJ-G-0006:2006	
	Micrex-SX MelsecQseries KVseries SYSMAC TOYOPUC(PC3U)			SNMP SNMPv1 SNMPv2c	

Model

FRH1-A0000

CPU

Intel Atom E3845 1.91GHz

Memory

4GB

Power supply

Input voltage

12 to 24 VDC
(Power connector, AC adapter compatible)

Power consumption

40W

Physical environment

Operating temperature

Storage

Operating humidity

Storage humidity

0 to 50°C (when using GbE: 0 to 45°C)*1

-10 to 60°C

10 to 90% RH (noncondensing)

10 to 90% RH (noncondensing)

Dimensions

178 mm(W) × 115 mm(D) × 29 mm(H)

Weight

0.8 kg (Excluding mounting bracket)

Interfaces

Ethernet

USB

Serial

DVI-I

10/100/1000M×2

2.0×2

RS-232C × 2
(9 pin D-Sub connector, Non-insulated)

1

Storage interface

CFast×2

Real-time clock (RTC)

Back up time

Retained for at least 10 years with lithium primary batteries.
(Battery not consumed while device is powered.)

*1 Depends on installation direction.

* Hardware specifications are subject to change depending on the installed application.

* Please contact us for optional functions or customization.

Our aim was to enable operation without the need for a user manual.
Highly flexible monitoring that can be set up by the customer
with minimal settings and operations.

Monitoring systems up to now have required a number of processes such as signal definition → assignment → various engineering tasks → in-house testing → on-site testing before delivery, and making changes or additions after the start of operation took time and effort requiring stopping the operation, resetting and restarting. FiT-VeTerminal eliminates such inconvenient steps.

The processes from the initial setting to additions and changes after the start of operation are minimized, aiming at a highly flexible manual-free system for our customers.

FiTSA series
FiT-VeTerminal

*Supervisory system of the customer,
by the customer, for the customer*

Processless Simple Setup

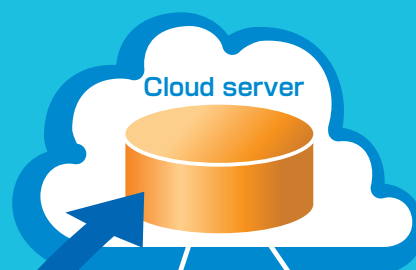
We deliver the Fit-VeTerminal after fully preparing it at our company, so you can start using it the same day just by connecting it to your PC display. If you have any questions, our professional system engineering staff are ready to support you.



**USB
back up
for safety**

Borderless Flexible Engineering

With the monitoring system environment in the cloud, engineering is not limited by time or place. For example, engineering can take a variety of forms, such as designing a screen while meeting with a customer at a place away from the monitoring site. Offering requires customization.



Easy to set up
just by entering
definition file



**Meeting with
customers**
who use
cloud-based services



imitationless Original Customization

The monitoring screen is not fixed, and can be created to match the customer's requirements and objectives. In addition, you can create a screen for each user besides the administrator. Each user can set the group or monitoring point that they want to see.



**Freely definable
for every user**

**Edit to create
your own screen**

**Match all of
your requirements**

**Simple but multi-functional
and high performance**

- Graphic screens can also be created online
- Equipped with a reassuring screen functions that support work tasks such as a calendar, execution schedule, master schedule
- Accumulated data is automatically saved externally
- Compatible with open source technologies using Linux

**Robust and reliable
when any problems occur**

Compact but strong

- Reliable system (system recovery)
Sudden hardware failures and system crashes are unavoidable with IT equipment. For this reason, the system was built to quickly restore itself with a focus on resilience including USB backup.