

Basic specifications

Model		FITSAΣ B4
Power supply	Input voltage	100 to 240 VAC
Power consumption		17 VA or less
Physical environment	Operating temperature	−10 to +55°C
	Storage temperature	−20 to +70°C
	Operating humidity	20 to 95% RH (noncondensing)
	Storage humidity	20 to 95% RH (noncondensing)
Interfaces	Ethernet	10/100M×2
	USB	2.0×2 (High-Speed)
	RS-485	RS-422/485×2
	RS-232C	N/A (uses USB/RS-232C conversion) *
Storage		2 GB microSD memory card × 1 (not hot swappable)
Real-time clock (RTC)	Time accuracy	Annual drift of 50 min or less
	Backup	Retained for at least 5 years (Battery is not consumed while power is on.)
Supported standards		CE
Dimensions (excluding projections)		100 mm (W) × 80 mm (D) × 56 mm (H)
Weight		240 g (approx.)

\*Compatible with the following RS-232C converters.

Product name	Model number	Manufacturer	Insulation
USB-RS-232C converter	UPort-1110	MOXA	N/A
USB-RS-232C/422/485 serial converter	UPort-1150I	MOXA	2 kV VAC photocoupler insulation

List of functions

Data collection	Communicates with field devices and reads and writes data.
Data storage	Periodically accumulates data collected by the data collection functions. Stores the accumulated data as CSV files on storage media.
Data distribution	Distributes data collected by the data collection functions.
OPC server	
FTP communication	
HTTP	
File sharing	
Event processing	Monitors the occurrence of events based on definitions and executes designated processes when events are detected. Records event occurrence history as CSV files on the storage media.
Web display	Enables instantaneous display of collected data values, display and download of storeddata and event history, and confirmation and changing of settings using a Web client.
Email transmission	Sends emails to registered addresses when events are detected.
Script execution	Executes registered scripts when events are detected.
NTP server/client	Accesses the specified NTP server and synchronizes the time.
Settings and definitions	Enables changing and backing up (downloading) the setting and definition files
Basic settings	Network settings
IP addresses	IP address of this machine, default gateway
Email (SMTP, POP)	Mail sending and receiving settings
Communication settings	Communication settings for data collection
Download	Basic settings, communication settings, and scripts for downloading
Upload	Basic settings, communication settings, and scripts for uploading

- Ethernet is a registered trademark of Xerox Corp. in the United States.
- OPC is a registered trademark of the OPC Foundation.

Field intelligent Terminal Solution Adapter

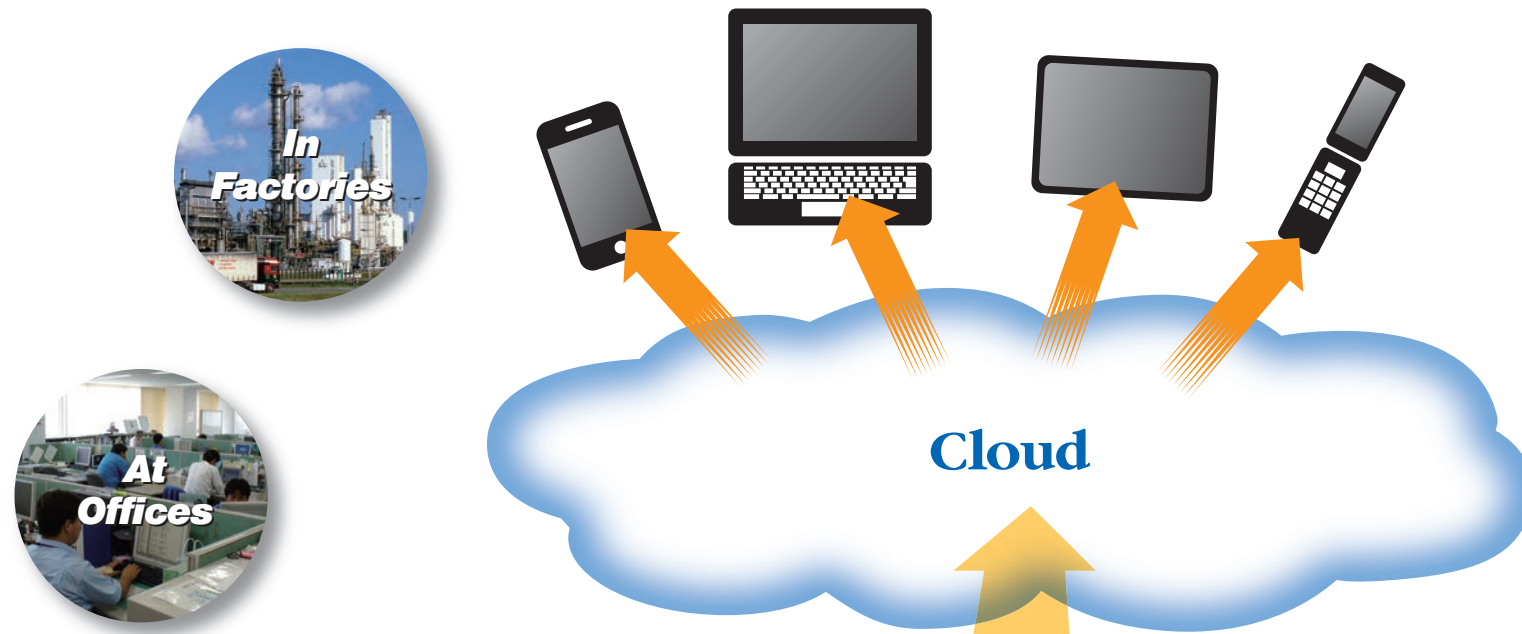
*FiTSAΣ*



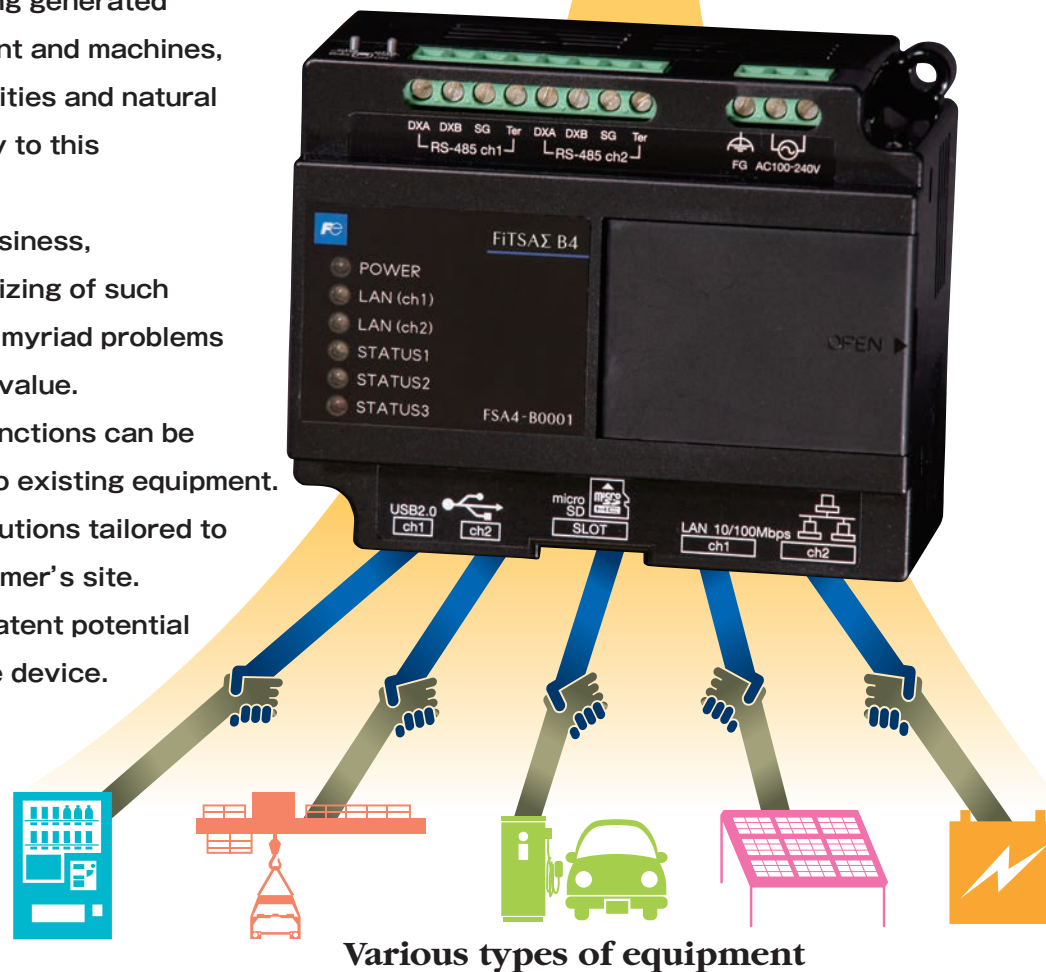
Creating next-generation value by connecting things,  
the Internet and the cloud

# Connect, collect, store and create

## Supporting IoT and M2M businesses



Information is continually being generated every day by on-site equipment and machines, office equipment, human activities and natural phenomena. FITSA $\Sigma$  is the key to this Internet of things (IoT) and machine to machine (M2M) business, enabling collecting and visualizing of such information and data to solve myriad problems and create new services and value. Sensor and communication functions can be added simply by connecting to existing equipment. We will propose additional solutions tailored to the requirements of the customer's site. You can broadly expand the latent potential of your business with this one device.



Various types of equipment

## Key Components for Connecting Equipment and The Cloud

Basic model  
**FiTSA $\Sigma$   
B4 $\Sigma$**



Data can be collected from any site using various types of interfaces.  
Data can be saved in the cloud using standard interfaces.

## Standard web screens

### Status monitor screen

Displays the status of FITSA $\Sigma$  and the connection status of connected equipment.



### Trend display screen

Displays values from the connected equipment in graphs. Up to 8 trendlines can be displayed at the same time.



### Current value monitor screen

Displays instantaneous values from the connected equipment.



### Event log screen

Displays event occurrence and reset information.

