



Think Automation and beyond...

Programmable Logic Controller FC6A

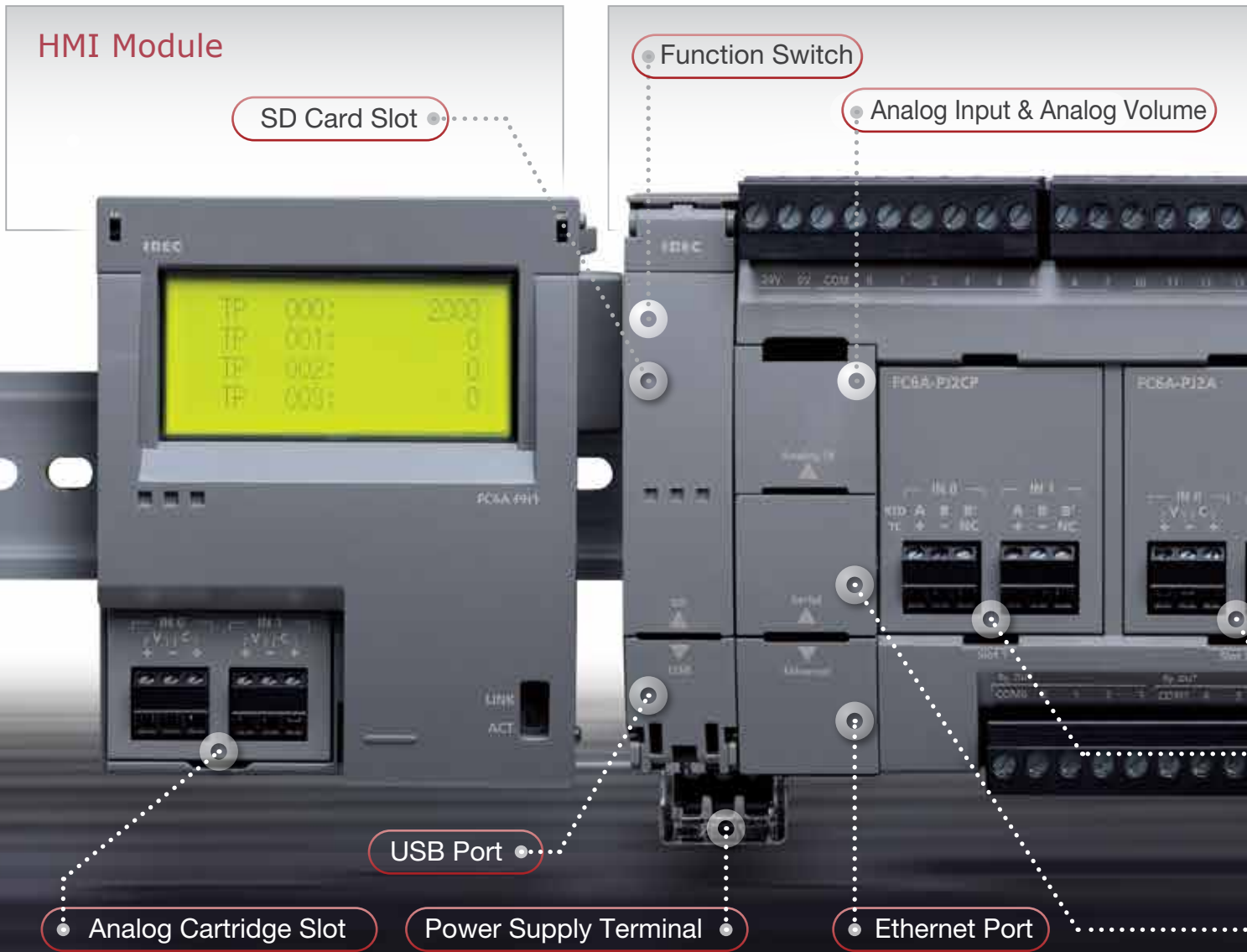


Programmable Logic Controller

MICROSmart FC6A

IDEC CORPORATION

IoT. Made easy and simple.



High Performance

- 640KB max. program size (80,000 steps)
- 42ns basic instruction processing time + 0.03ms I/O refresh time (with one digital I/O module) for maximizing the executive operation speed of the entire system
- 520 max. I/O points
- Customize your PLC with a variety of I/O modules and optional components

Remote Monitoring

Use an HMI module to remotely monitor the system status on a web browser, and enjoy viewing the simple, pre-set pages or customized web pages made with the web page editor. Set password to disable alarm or change parameters while protecting your system.

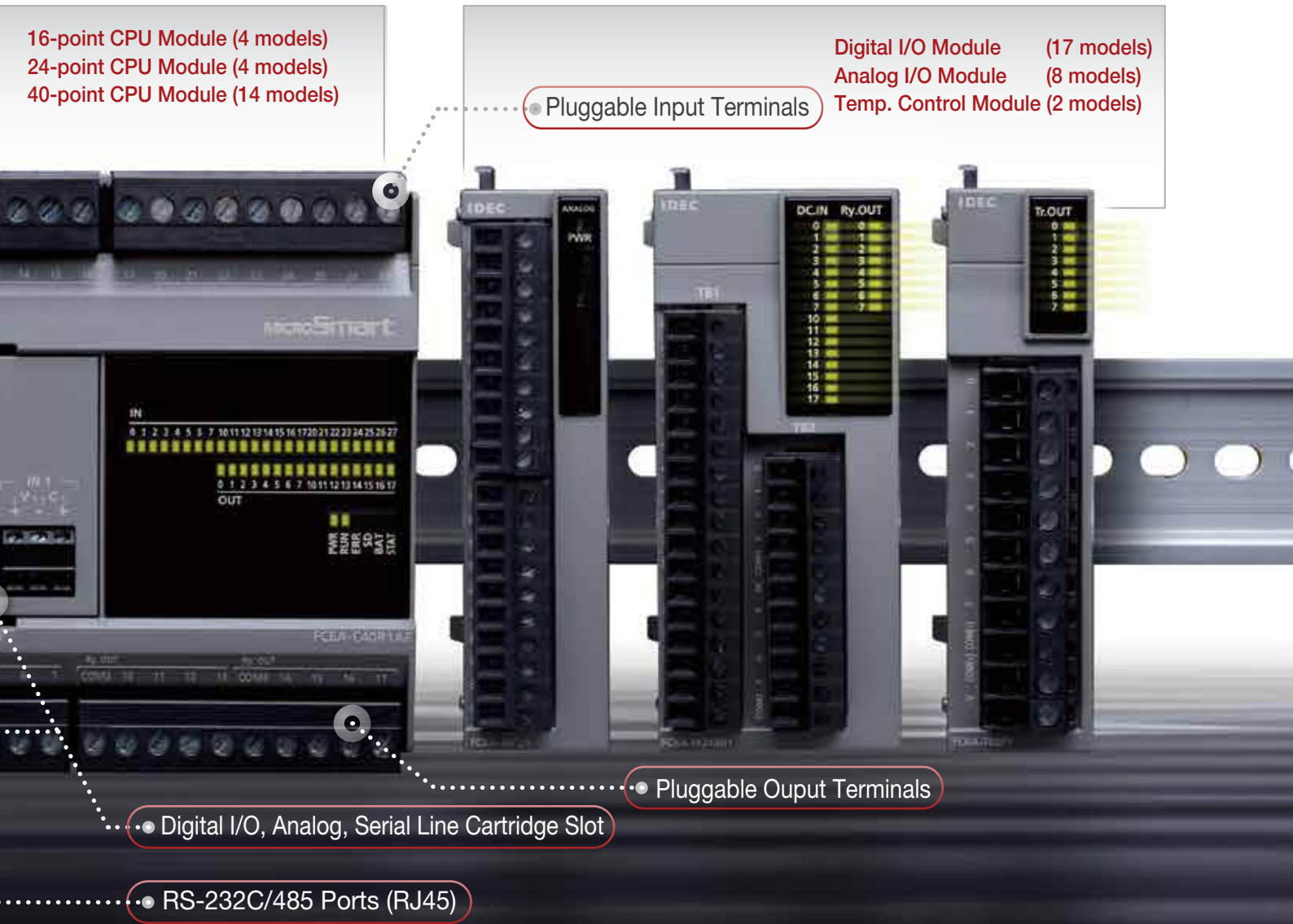
01

Powerful

02

Web Server

IDEC MicroSmart FC6A, the PLC best suited to the new era of IoT. Systems and machines can be monitored remotely in real time, optimizing the processes of analyzing production status and correcting errors.



Automatic E-mail Notification

Get periodic report and error alarm notification anywhere. Log data in the CPU can be attached and sent as a CSV file.

03

E-mail

Simple & Easy Designing

View the system by using the Configuration Editor in WindLDR, that enables you to configure the module settings and monitor I/Os easily.

04

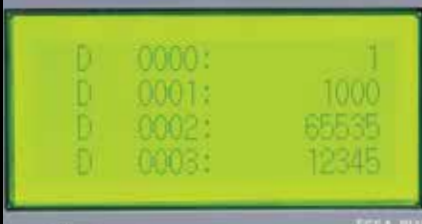
Configuration Editor

MICROSmart **FC6A**

HMI Module 05

for on-site management

Device values and ladders can be monitored and settings can be modified easily on HMI module.



SD Memory Card 06

for storing programs and data logging

Commercially available SD memory card can be used for rewriting programs and managing data.



USB 07

for downloading programs without power supply

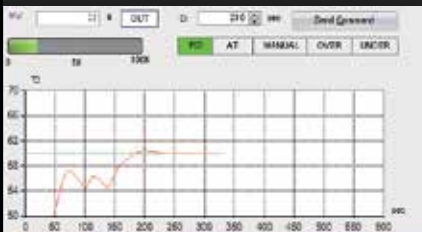
Programs can be downloaded from WindLDR to FC6A via USB, without taking the CPU out from the box.



PID Control 08

for visual control

Auto tuning function makes PID control easy. Installation space can be reduced by using an analog cartridge.



Positioning 09

made simple and easy

Zero return, current and absolute value management, and JOG operation for simple and easy position management.



Ethernet port 10

Modbus TCP communication

Can be connected to up to 8 inverter, temperature controller, PC, and other devices. Simple decentralized control.



CAN J1939 11

All-in-One Type CPU Module

Signals from ECU are directly sent to the FC6A, enabling to downsize the system and reduce development time and wiring.



Configuration Editor 12

Modules can be combined visually on the screen, reducing development time and labor.



Automation Organizer 13

for backward compatibility

Programs in prior IDEC PLCs can also be utilized with WindLDR in Automation Organizer which has backward compatibility.



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EP1574-1 JANUARY 2017

