Released in December 2015, the e-RT3 Plus is the latest model of the e-RT3 series with Linux OS installed.

Through the integration of technologies of customers, open architecture, and Yokogawa, many functions useful for device control have been added to the e-RT3 while maintaining its robustness, real-time performance, and stability.

In the e-RT3 Plus, usability has been improved in terms of accessibility, visibility, and applicability, in order to expand application areas from device control to factories and infrastructure, offering an environment in which anyone can develop applications on Linux.

### MAJOR FEATURES

- **Accessible (Development on Linux by anyone)**
The e-RT3 Plus is shipped with a Linux system and open source software (OSS) installed, enabling anyone to start development immediately. In addition to the Linux host environment, the e-RT3 Plus can handle the Windows host environment.

- **Visible (Easy maintenance at any time)**
Via the web browser, the e-RT3 Plus enables users to monitor the devices of target systems and set various items of the CPU module. There is no need to install any dedicated tool on the PC. The e-RT3 Plus also displays manuals.

- **Applicable (Controller that can be used anywhere)**
The e-RT3 Plus can be used in various applications thanks to the external interface and abundant I/Os and OSS (about 90 programs).

### MAJOR SPECIFICATIONS

- **Processor**
  
  ARM Cortex-A9 MPCore: Dual Core 866 MHz
  
  L1 cache: 32 KB I/D, L2 cache: 512 KB

- **OS**
  
  Linux 3.18.16 + patch-3.18.16-rt13

- **Memory**
  
  NOR FLASH : 256 MB\(^1\)/128 MB\(^2\)
  
  DDR3 SDRAM : 1 GB\(^1\)/256 MB\(^2\)
  
  SRAM : 8 MB\(^1\)/Not applicable\(^2\)

  \(^1\) F3RP71-2L (high-functionality edition)
  
  \(^2\) F3RP71-1R (popular edition)

- **Interface**
  
  Ethernet : 1000BASE-T, 100BASE-TX, 10BASE-T (2 ports)
  
  RS-232C : 9.6 to 115.2 kbps (1 port)
  
  Storage : SDHC card (2 slots)
  
  PCI bus : For utility and modules (32 bit)
  
  I/O bus : Supports approx. 100 types of I/O modules

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For worldwide locations, please see the back cover.

* e-RT3 is a registered trademark of Yokogawa Electric Corporation.

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