RUBY-M710VG2AR
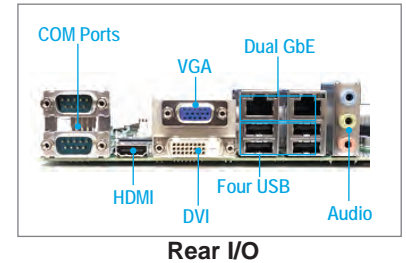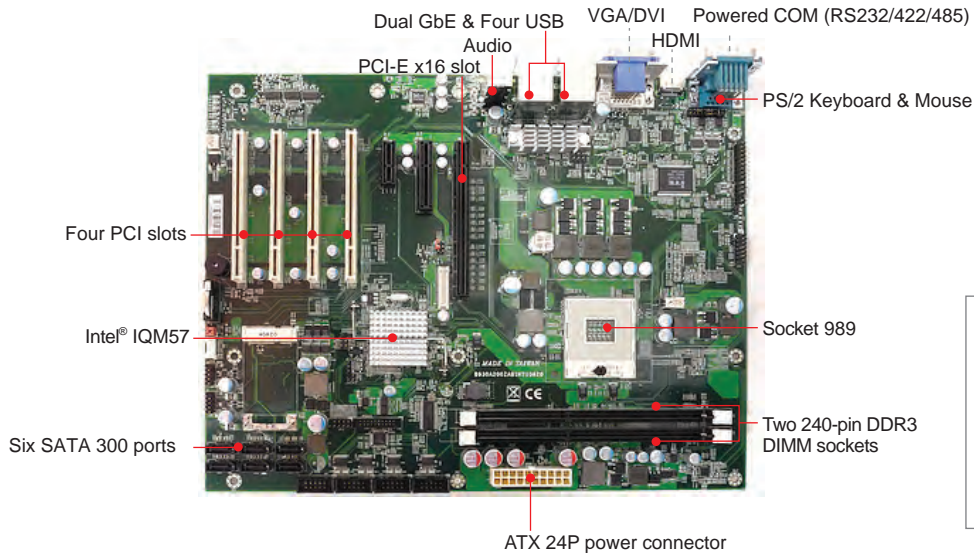
Intel® Core™ i5/ i7 P4500 Processor based ATX Motherboard with DDR3 SDRAM, Dual Display, Dual Gigabit Ethernet and USB

Dual GbE & Four USB
Audio
PCI-E x16 slot
VGA/DVI
HDMI
Powered COM (RS232/422/485)
PS/2 Keyboard & Mouse
Four PCI slots
Intel® IQM57
Six SATA 300 ports
Socket 989
Two 240-pin DDR3 DIMM sockets
ATX 24P power connector

COM Ports
VGA
Dual GbE
HDMI
Four USB
DVI
Audio

Rear I/O

FEATURES

- Intel® Core™ i5/ i7 P4500 Processor (Quad Core CPU support)
- Intel® QM57 Chipset
- Two long DIMMs support dual channel DDR3 SDRAM up to 8GB
- Dual Display by VGA / DVI / HDMI / LVDS
- Intel® Active Management Technology (Intel AMT 6.0)

GENERAL

Processor	CPU & Package: Intel® Core™ CoreTM i3/i5/i7 processor in socket 989
Chipset/Core Logic	Intel® QM57
System Memory	Max. up to 8GB DDR3 800/1066 SDRAM on two 240-pin DIMM sockets with dual channel mode
BIOS	uEFI BIOS
Storage Devices	- Six SATA 300 ports(RAID 0/1/5/10)
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	-One PCIe x 16 slot -One PCIex4 slot -One PCIex1 slot -One Mini-PCIe socket -Four PCI slots
Hardware Monitoring	System monitor (fan, temperature, voltage)
Dimension	Dimension : 305(L) x 244(W) / 12"(L) x 9.6" (W)
Environment	Operating Temperature: 0 to 55oC Storage Temperature: -20 to 80oC Relative Humidity: 5% to 90%, non-condensing

I/O

MIO	- Six Powered serial ports: One RS232/422/485 (5V/12V) selectable at rear I/O and Five RS232 (5V/12V) internal - One Parallel port at rear I/O - 8 GPIO internal - LPC pin header for optional TPM module
Display	VGA/ DVI/ LVDS/ HDMI
Ethernet	- Dual Gigabyte Ethernet Controller (One can supports iAMT 6.0, Intel 82574L & 82577LM) - PCI Express x1 interface based Gigabit Ethernet - Dual RJ-45 connector with two LED indicators
Audio	HD Audio interface, ALC 888 Mic-in, Line-in, Line-out
USB	Eight USB ports
Keyboard & Mouse	PS/2 keyboard/mouse at rear I/O panel

ORDERING GUIDE

Standard	**RUBY-M710VG2AR** Intel® Core™ i5/ i7 Processor based Industrial ATX motherboard support DDR3 SDRAM, VGA/LVDS/HDMI/ Dual GbE/COM/Audio and USB

DISPLAY

Graphic Controller	- Intel® Gen 6.0 integrated Graphics Engine - Onboard dual independent display VGA/ DVI/ LVDS/ HDMI