

AR-R5800/A

1U Rackmount Platform by Intel G41 with Core 2 Quad/Duo,
RAID solution, 8 x Giga LAN, 2 pair Bypass LAN, DDR3 memory

Networking Platform



AR-R5800A

Features



- Support Intel Core 2 Quad, Core 2 Duo, Pentium and Celeron Processors
- Support RAID 0 or 1 Function
- 2 x DDR3 DIMM slot, max 4GB
- 8 x Intel Giga bps ethernet ports
- 2 x pair LAN bypass
- 2 x Fiber (AR-R5800A)
- 1 x PCI Express slot (AR-R5800)
- 80 PLUS (Bronze) PSU



Specification

System	
CPU	Support Intel Core 2 Quad, Core 2 Duo, Pentium and Celeron Processors up to 3GHz+
Chipset	Intel G41 + Intel ICH7R
Front Side Bus	800/1066/1333MHz
Memory	2 x 240-pin DDR3 DIMM Socket, up to 4 GB
BIOS	Award
WatchDog Timer	Software programmable 1~255 sec.
OS	Win XP, Win 7, Fedora 14, Ubuntu 10
Video	
Video Interface	VGA (on board pin header)
Ethernet	
Chipset	AR-R5800 : Intel 82574L (Giga bps) x 6 Intel 82541PI (Giga bps) x 2 AR-R5800A : Intel 82574L (Giga bps) x 6 Intel 82541PI (Giga bps) x 2 Intel 82576EB x 2 (Fiber port)
Connector	AR-R5800 : 8 x RJ45 for Copper Ethernet AR-R5800A : 8 x RJ45 for Copper Ethernet SFP cadge for Optical Fiber (Ethernet)
LAN bypass	2 pairs
Storage	
SATA	2 x SATA II port
RAID	Support RAID 0 or RAID 1
Compact Flash	1 x Compact Flash Type II socket supports UDMA
HDD Bay	2 x 2.5" HDD bay
I/O	
Serial Port	2 x RS-232 (1 x RJ45 for console, 1 x on-board pin header for LCD module)
USB Port	2 x external ports, 2 x onboard pin header
LCM	16 x 2 characters LCD module with 4 buttons
GPIO	8-bit digital I/O
Expansion Slot	1 x PCI Express slot (AR-R5800 Only)

Power Requirement

Power Requirement internal 250W 80 PLUS (Bronze) power supply, input range 100V AC 60Hz ~ 230V AC 50Hz

Power Consumption Max. 156W

Mechanical & Environment

Dimension 440mm x 44mm x 372mm

Operating Temp. 0~40°C (32~104°F)

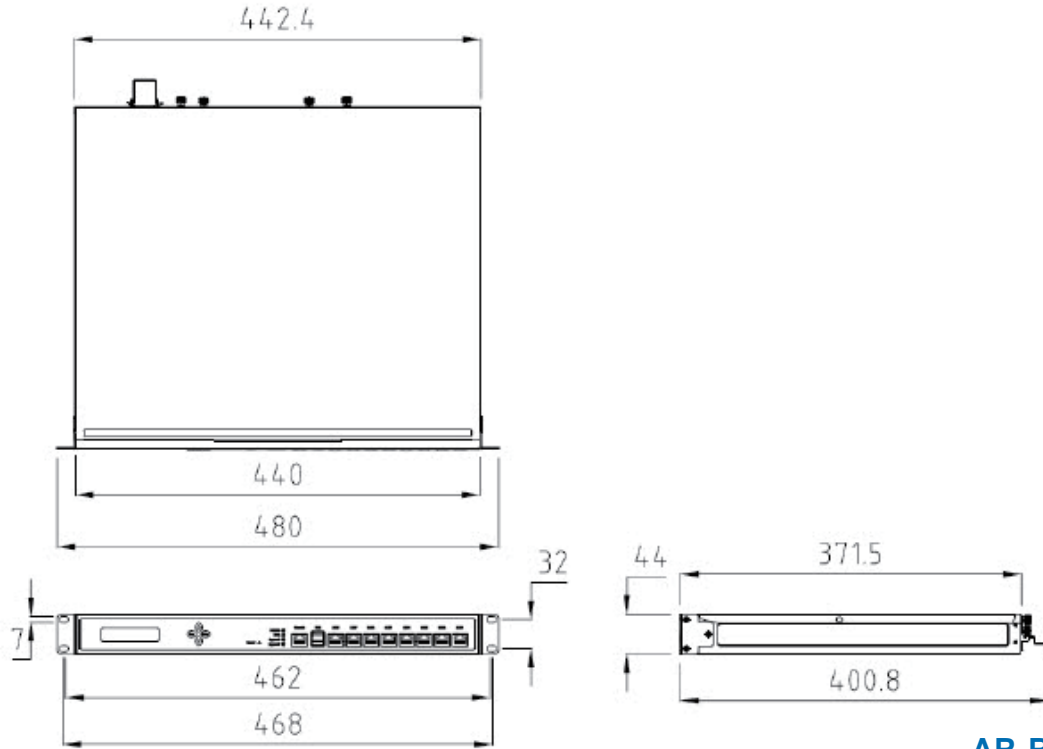
Storage Temp. -20~80°C (-4~176°F)

Relative Humidity 0 to 90% @ 40°C, non-condensing

Safety CE, FCC class A

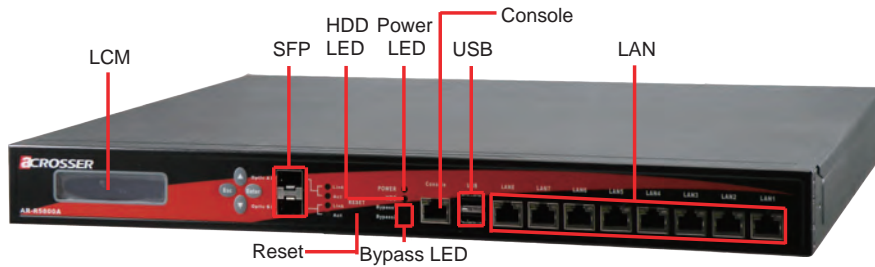
CPU Support List

1. Intel Core 2 Quad Q9650 3.0GHz, FSB 1333MHz and 12MB L2 cache
2. Intel Core 2 Quad Q9400 2.66GHz, FSB 1333MHz and 6MB L2 cache
3. Intel Core 2 Duo E8400 3.0GHz, FSB 1333MHz and 6MB L2 cache
4. Intel Core 2 Duo E6700 2.66GHz, FSB 1066MHz and 4MB L2 cache
5. Intel Core 2 Duo E6600 2.4GHz, FSB 1066MHz and 4MB L2 cache
6. Intel Core 2 Duo E6400 2.13GHz, FSB 1066MHz and 2MB L2 cache
7. Intel Core 2 Duo E4400 2.0GHz, FSB 800MHz and 2MB L2 cache
8. Intel Core 2 Duo E4300 1.8GHz, FSB 800MHz and 2MB L2 cache
9. Intel Pentium Dual-Core E6500 2.93GHz, FSB1066MHz and 2MB L2 cache
10. Intel Pentium Dual-Core E2160 1.8GHz, FSB800MHz and 1MB L2 cache



AR-R5800

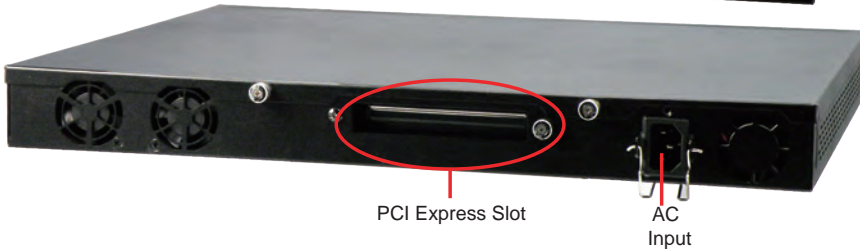
I/O Connectors



AR-R5800A



AR-R5800



PCI Express Slot

AC Input

Packing List

1. AR-R5800/A x 1
2. Driver CD x 1
3. Quick user manual x 1
4. Power Cord x 1 (USA or UK or Japan or Europe)
5. Console cable x 1
6. SATA cable x 2
7. Power Cord Hook x 1
8. Bracket for 1U rackmount x 2

Ordering Information

AR-R5800

1U Rackmount Platform by Intel G41 with Core 2 Quad/Duo, RAID solution, 8 x Giga LAN, 2 pair Bypass LAN, DDR3 memory and PCIe Slot

AR-R5800A

1U Rackmount Platform by Intel G41 with Core 2 Quad/Duo, RAID solution, 8 x Giga LAN, 2 x Fiber SFP, DDR3 memory