TRL-40

4U Server-Grade System with Dual Intel® Xeon® Processor E5 and E5 v2 family Extended ATX Server Board



Specifications

Processor & System	
CPU	Intel® Xeon® E5-2658, 2.1 GHz, QPI 8GT/s, 20 MB cache, 32nm, 95W TDP, LGA2011(8C)
	Intel® Xeon® E5-2648L, 1.8 GHz, QPI 8GT/s, 20 MB cache, 32nm, 70W TDP, LGA2011(8C)
	Intel® Xeon® E5-2658 v2, 2.4 GHz, QPI 8GT/s, 25 MB cache, 22nm, 95W TDP, LGA2011(10C)
	Intel® Xeon® E5-2648L v2, 1.9 GHz, QPI 8GT/s, 25 MB cache, 22nm, 70W TDP, LGA2011(10C)
	Intel® Xeon® E5-2640 v2, 2.0 GHz, QPI 7.2GT/s, 20 MB cache, 22nm, 95W TDP, LGA2011(8C)
	Intel® Xeon® E5-2630 v2, 2.6 GHz, QPI 7.2GT/s, 15 MB cache, 22nm, 80W TDP, LGA2011(6C)
Chipset	Intel® C604 Chipset
Memory	Dual-Channel DDR3 1600 MHz, 8x 240-pin DIMM sockets, up to 128 GB
	Supports ECC registered DIMMs or non-ECC unbuffered DIMMs
BIOS	AMI 64 Mb SPI BIOS
IPMI	ASPEED AST2300 BMC
	IPMI Support for Intelligent Platform Management Interface v.2.0
	AMI MegaRAC Web GUI
	KVM/media redirection support
	Support for remote power-cycle, power-down, power-up and server reset by NIC1
	Serial over LAN (rear I/O COM port)
	HW monitor: +12V,+5V,+3.3V, CPU voltage, CPU/motherboard temperature, CPU/system fan speed
	Watchdog Timer: 1-65535 sec software programmable, can generate system reset
Operating Systems	Microsoft Windows Server 2008 R2 64-bit
	Microsoft Windows 7 64-bit
	RedHat Enterprise Linux 6

I/O Interfaces

Serial ATA	4x Serial ATA ports with 6 Gb/s data transfer rate by Marvell 88SE9230 (SATA port from Marvell support RAID 0/1/10)
	2x Serial ATA ports with 6 Gb/s data transfer rate from PCH
	2x Serial ATA ports with 3 Gb/s data transfer rate from PCH (SATA port from PCH support RAID 0/1/5/10)
	1x Mini PCIE full card slot support interface either PCIe Gen2/ USB or m-SATA(signal share SATA 6Gb/s port from PCH)
Drive Bays	External: 3x 5.25", 1x 3.5", 1x slim optical drive Internal: 4x 3.5"
USB	8x USB 2.0 ports (4x rear I/O, 2x front panel, 2x onboard pin headers)
Serial Port	1x RS-232 (pin header), 1x RS-232/422/485 (rear I/O)
Expansion Slots	Slot 1: PCIe x16 Gen3 from CPU1 Slot 2: PCIe x16 Gen3 from CPU1 Slot 3: PCIe x16 Gen3 from CPU2 Slot 4: PCIe x8 Gen3 from CPU1 Slot 5: PCIe x16 Gen3 from CPU2 Slot 6: PCIe x4 Gen2 from PCH (physical PCIe x8 slot)

Features

- **Dual LGA2011 Intel® Xeon® Processor E5 and E5 v2 family**
- **Eight memory sockets support DDR3-1600 REG/ECC or Non-ECC up to 128GB**
- **4x PCIe x16 Gen3, 1x PCIe x8 Gen3 and 1x PCIe x4 Gen2 (physical PCIe x8 slot)**
- **IPMI 2.0 Remote Management**
- **600W or 1000W PS/2 single power supply or 600W mini-redundant power supply**
- **Supports three 5.25", five 3.5" drive bays with true anti-vibration design**

Audio

Audio Codec	Realtek ALC262 on DB-Audio2 daughter board (optional)
Interface	Line-in, Line-out, Mic-in on DB-Audio2 daughter board (optional)

Display

Graphics	BMC AST2300 built-in 64MB VRAM
VGA	Dsub-15 connector, up to 1920x1200 resolution @60 Hz

Ethernet

Controller	Dual Intel® GbE Controller I210-AT (NIC0 and NIC1)

Mechanical and Environmental

Dimensions	430 mm x 176 mm x567 mm (16.9"x 6.9" x22.3") (W x H x D, w/o handles)
Weight	21kg net (46.3 lb)
Operating Temp.	0°C to 40°C
Storage Temp.	-20°C to 80°C
Certifications	CE, FCC Class A
Relative Humidity	10% to 90%, non-condensed

Ordering Information

Model Number	Description/Configuration
TRL-40	4U Server-Grade System with Dual Intel® Xeon® Processor E5 and E5 v2 family and E5 v2 family Extended ATX Server Board
RK-470MB	Server Chassis only

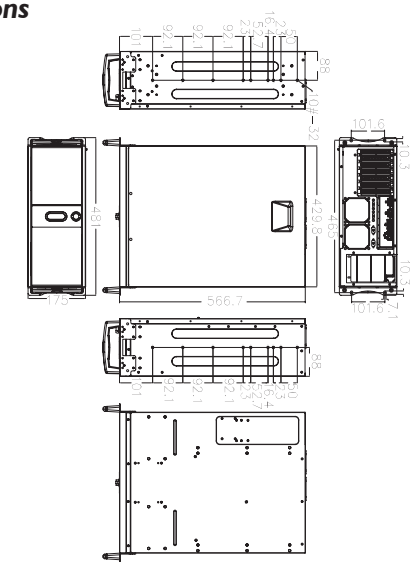
*Please contact ADLINK for RK-470MB server chassis availability.

Optional Accessories

29-033B0-0070	Hot Swap HDD Enclosure (For 5pcs 3.5" HDD)
31-01239-0000	APS9100XA-EPS12/PSL-6A00V
31-12207-0000	APS-960XAR-EPS12/MRW-5600V4V
31-01238-1000	APS-960XA-EPS12/FSP600-80PSA

Dimensions

Units: mm



*Updated July 10, 2014. ©2014 ADLINK Technology, Inc. All Rights Reserved. All specifications are subject to change without further notice.

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000