RM-2100-LB

2U shallow depth industrial rack-mount server with support for Xeon Scalable v2 CPUs (up to 26 cores), up to 7 expansion slots, and single, redundant or DC power input.

Features Include:

- Up to 26 Xeon Scalable v2 cores (**Single CPU**).
- Redundant and 24VDC PSU options.
- 7x low profile or 2x full height expansion slots.
- Dual slot graphics card support.
- Only 400mm deep.
- 5+ year availability.
- Branding and customisation options.

System Overview:

The **RM-2100-LB** is possibly the shallowest 2U server available that supports Xeon CPUs, redundant power, and full length, dual slot graphics cards.

With support for Intel Xeon Scalable v2 processors (**up to 26 cores**), 384GB RAM, optional 10 Gigabit Ethernet and PCIe gen 3, the **RM-2100-LB** packs massive performance into a compact and customisable enclosure.

By using industrial components throughout, the **RM-2100-LB** is designed to operate 24/7 in harsh environments and mission-critical applications.

CPU Options	Xeon Scalable v2 (**8 to 26 cores**). Supported CPUs Others available on request.
Chipset	Intel® C621. Intel® C622 (**by request**).
Memory	Up to 384GB ECC DDR4 supported.
I/O Ports	**Rear** 1 x Serial Port. 2 x USB 3.0. 2 x USB 2.0. 1 x VGA . 2 x RJ45 (**GbE Intel i210AT**). 2 x optional RJ45 (**10GbE Intel X557-AT2**). 1 x RJ45 dedicated for IPMI. **Front** 2 x USB 2.0.
Expansion	2 x Full height or 7x low profile slots. **Full height slots*** 1 x PCI Express x16 (**dual width**). 1 x PCI Express x8. **Low profile slots*** 2 x PCIe x16 (**x8 or x16 link**). 1 x PCIe x8 (**x8 link**). 2 x PCIe x8 (**0 or x8 link**). 1 x PCIe x4 (**x4 link**). 1 x PCIe x1 (**x1 link**). ***to be defined at quotation stage** Mini slots 1 x M.2 2280 B+M key (**SATA and PCIe**).

Storage	2 x 2.5" SATA SSD/HDD drive bays (**RAID 0/1 support**). 1 x M.2 (**Key B+M, 2280**) with SATA3 and PCIe for SSD. **Optional** 2x removable 2.5" drives.
Power Supply	**Standard** Single PSU (**700W / full range AC input**). **Optional** Dual redundant PSU (**700W / full range AC input**). **Optional** 24VDC input PSU (**up to 750W / 18 to 36VDC input**).
Dimensions (D x H x W)	400mm x 88.1mm x 427mm (**479mm inc. rack-mount ears**). Compatible with Accuride DZ2907 telescopic slides.
O/S Support	Windows 10. Windows Server 2019. Linux.
Other Features	**Optional** TPM 2.0. Watchdog timer. IPMI (**shared with LAN 2**).
Operating Temperature	-5°C to 45°C. Wide temperature options by request.
Certification	CE.

Ordering Information

RM-2100-LB	2U industrial server with Xeon Scalable v2 CPU, up to 7 slots, and single, redundant or DC power input.

ⓘ **RM-2100-LB_Datasheet_10_2020.pdf**

Technical specifications are subject to change without notice. E & OE Issue A.

Rear Options

RM-2100-LB With Single PSU & Full Height Expansion Slots*

RM-2100-LB With Single PSU & Half Height Expansion Slots*

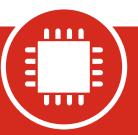**RM-2100-LB With DC Input & Full Height Expansion Slots***

RM-2100-LB With DC Input & Half Height Expansion Slots*

RM-2100-LB Redundant PSU & Half Height Expansion Slots*

RM-2100-LB With Redundant PSU & Full Height Expansion Slots*

*Shown with optional 2x 10GbE ports.