

# ALTOS

## R680S F4

Altos R680S F4 GPU 伺服器配備多達 10 個 NVIDIA GPU，對各種不同的應用程式採用平行運算以大幅提升執行效能，如石油與天然氣、國防、金融服務、研究、製造、媒體與娛樂、3D 算圖、深度學習以及關鍵任務應用程式等。

### 更環保且功能更強大

搭載 Intel® Xeon® Scalable 處理器產品系列和 DDR4 儲存技術，可在不影響功耗的情形下升級運算效能，節省不必要的資料中心冷卻成本，並且實現更高的資料中心基礎設施效率。

### 高質量的高效能運算

想在競爭激烈的世界中獲得成功，需要有具備極高精確度和高速運算能力的「GPU 伺服器」，Altos R680S F4 支援多達 10 張雙寬 GPU 卡，以 NVIDIA GPGPU 解決方案 R680S F4 提供驚人運算性能，這對於加速人工智能的發展、深入學習以及在任何領域的數據分析與運算都是理想的選擇。

### 高擴充靈活性

新增的第 11 條 PCIe x16 插槽，可提供用戶於 NVMe、高速 EDR 100Gb/s Infiniband 網路部署以及支援 SAS 或 SAS RAID 擴充模組，滿足用戶最高擴充性與性能。





主板	Processor type	Up to 2 x Intel® Xeon® scalable processors
	Chipset	Intel® C621 PCH (LBG-1G) + (2) PLX PEX8796 PCIe Switch
	Graphics	BMC embedded controller:
	Memory	Memory type: Registered / Load Reduced DDR4 2666 memory DIMM number: 24 Max memory: Up to 768GB RDIMM/ 1,536GB LRDIMM/ 3,072GB RDIMM 3DS/LRDIMM 3DS <sup>1</sup>
	Expansion slots	10 x PCI-E Gen3 x16 slots (Full-height, Full-length, Double-width) for GPU deployment 1 x PCI-E Gen3 x16 slot (Full-height, Full-length, Single-width) 1 x PCI-E Gen3 x16 mezzanine slot
	I/O ports	Front: <ul style="list-style-type: none"> <li>• LED indicators: System status (Over temperature warning indicator / Fan &amp; PSU fail LED indicator), UID, LAN LED indicator, HDD LED indicator</li> <li>• Button: Power with LED, ID, NMI, Reset</li> <li>• 2 x USB 3.0 ports</li> <li>• 1 x VGA port</li> </ul> Rear: <ul style="list-style-type: none"> <li>• Button: ID with LED</li> <li>• 2 x 10GbE LAN ports (RJ-45)</li> <li>• 1 x Serial port</li> <li>• 2 x USB 3.0 ports</li> <li>• Management port (RJ-45)</li> </ul>
	Storage	(視系統配置而定) <ul style="list-style-type: none"> <li>• 14 x top-loaded hot-swap 2.5" SSD/HDD 或</li> </ul>
RAID	<ul style="list-style-type: none"> <li>• 10 x top-loaded hot-swap 2.5" SSD/HDD + 4 x U.2 PCIe NVMe SSD</li> <li>Intel® RSTe 5.0 software SATA RAID 0, 1, 5, 10 (Windows OS support only)</li> <li>[選配] SAS RAID card 或 SAS HBA</li> </ul>	
LAN controller	2 x 10GBASE-T ports (Intel® X540-AT2), PXE support	
安全與服務功能		<ul style="list-style-type: none"> <li>• Administrator / user password</li> <li>• Power-on password</li> <li>• Setup password</li> <li>• Device boot control</li> <li>• Secure command line interface (SSH)</li> <li>• Secure browser interface (Secure socket layer - SSL support)</li> <li>• Secure IPMI LAN interface (with iKVM and the DMTF Redfish management protocol.)</li> </ul>
	系統可用性	Power supply: 4 個 1600W (200-240Vac) / 1000W (100-127Vac) 80 PLUS® Platinum-level hot-swap (3+1) redundant supply
	機箱	System cooling: 6 個可熱抽換系統風扇
	作業系統	Form factor: 4U rack Dimensions (WxHxD): 438mm x 176mm x 770mm
伺服器管理/ 公用程式		<ul style="list-style-type: none"> <li>• Microsoft® Windows Server® 2016/2012 R2/2012</li> <li>• Red Hat® Enterprise Linux® 6.9 / 7.3 / 7.4</li> <li>• Ubuntu Server 16.04 x64</li> <li>• Embedded BMC controller with IPMI 2.0 compatibility</li> <li>• Acer Smart Server Manager</li> <li>• Smart Console remote monitoring, WebGUI support</li> <li>• KVM over IP management to OS level, Java &amp; HTML5 support</li> </ul>
保固	3 年零件/人工, 3 年 on-site (選購)	

1. Follow latest Intel DDR4 Memory POR

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