

# ServMax® X-110D

## 1U Single Socket Intel® Xeon® D Processor CU/DU/UPF Server



### Features

- 1U short-depth Compact size Server optimized for deployment in edge locations
- Deployed as 5G O-RAN DU, CU and UPF Server
- Intel Xeon-D single processor (SoC) solution
- Integrated with FEC Accelerator, GNSS DPLL module
- Built-in QAT engine (Xeon-D processor) to compress and encrypt data
- Short depth chassis design for small space cabinet deployment
- All front access IO
- Extended Operation temperature: -5°~55°
- Comprehensive Security Features: Built-in Hardware Security: support TMP 2.0 & Optional for Platform Firmware Resilience
- Support for UEFI secure boot, BMC secure boot, Firmware failsafe boot, and Secure firmware update

### Applications

- Edge Server
- O-RAN DU/CU Servers
- UPF Server
- Telecom

### Specifications

Form Factor	• 1U
Processor	<ul style="list-style-type: none"> <li>• Number of Processors: 1</li> <li>• Processor Type: Intel® Xeon® D-2700:</li> <li>• D-2786NTE (18-Core; extended temp; built-in NIC + QAT); for CU Server (for operation under -5 ~ 55°C)</li> <li>• D-2796TE (20-Core, extended temp; built-in NIC); for DU Server (for operation under -5 ~ 55°C)</li> </ul>
Max. TDP Support	• 125W
Memory	<ul style="list-style-type: none"> <li>• Total Slots: 8</li> <li>• Memory Type: DDR4 up to 2933 MT/s</li> <li>• DIMM Capacity (GB per DIMM): 64GB</li> </ul>
Expansion Slots	• 1 x PCIe 4.0 x16 slot for FHHL add-in card
Storage Bays	• n/a
Onboard Storage	• 2 x M.2 SSDs (PCIe3.0), 2280/22110
Management	• Aspeed® AST2600 management controller
Security	• 1 x TMP 2.0
Networking Interface	<ul style="list-style-type: none"> <li>• 8 x 10GbE (SFP+), or 4 x 25GbE (SFP28)</li> <li>• 1 x 1000BASE-TX RJ-45 port (supports NC-SI for BMC management)</li> <li>• 1 x 1000BASE-TX RJ-45 port</li> </ul>
Front I/O Ports	<ul style="list-style-type: none"> <li>• 2 x USB 3.0 port on front panel</li> <li>• 1 x Console port: Front accessible UART Micro USB</li> <li>• 1 x Mini-DP for video output</li> <li>• 1 x Dry Contact: 1 x DB9 Connector on front panel</li> <li>• 1 x RJ-45 connector on front panel (RS-232 serial port)</li> </ul>

Specifications	
Rear I/O Ports	<ul style="list-style-type: none"><li>• n/a</li></ul>
OS Support	<ul style="list-style-type: none"><li>• RedHat 9.0</li><li>• Windows server 2022 (CU SKU only)</li></ul>
Power Supply	<ul style="list-style-type: none"><li>• 2 x - 48VDC Redundant Power Supply (Hot-swappable), or 2 x 110 - 240VAC Redundant Power Supply (Hot-swappable)</li></ul>
Operating Environment	<ul style="list-style-type: none"><li>• Operating Temperature -5°C to +55°C</li><li>• Storage temperature range: -40°C to +60 °C</li><li>• Transportation temperature range: -40°C to 60°C</li><li>• Operating and Storage relative humidity: 10% to 90% (non-condensing)</li></ul>
Chassis Dimension (W x H x D)	<ul style="list-style-type: none"><li>• 438mm (W) x 43mm (H) x 430mm (D) / 17.2" (W) x 1.7" (H) x 17.0" (H)</li></ul>

