

# 5G MEC Slim Server WSS3682

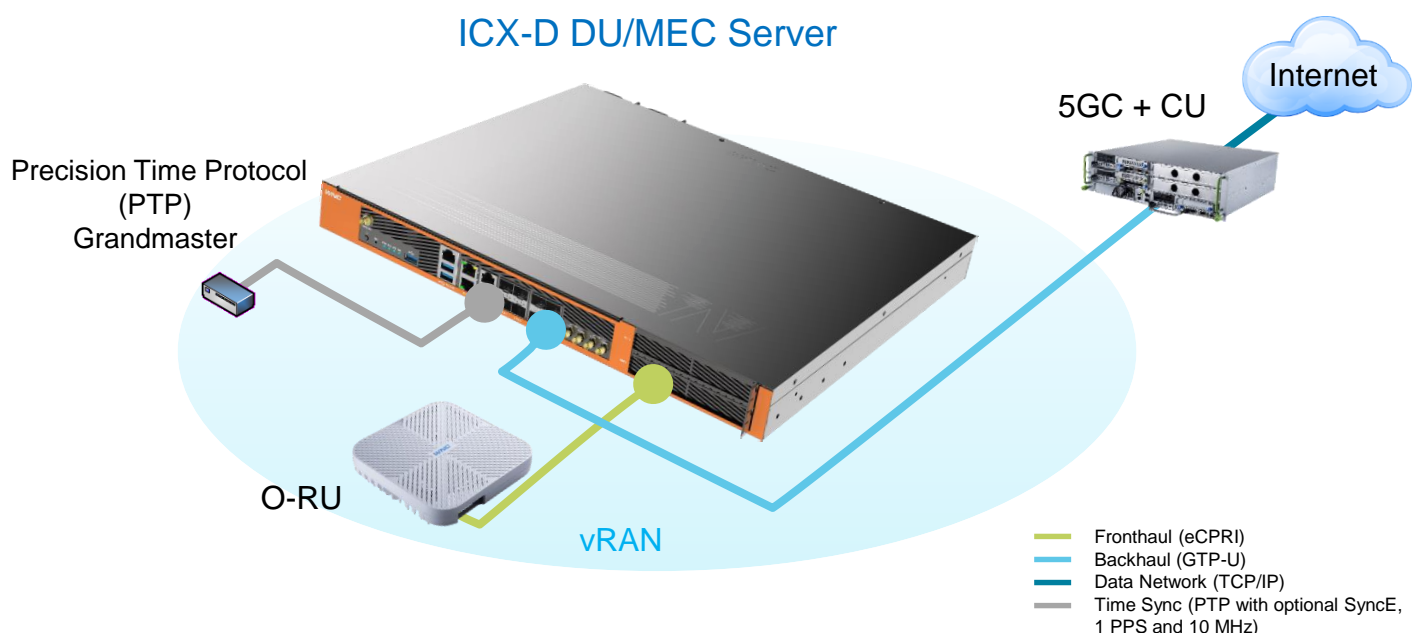
- 20-core Ice Lake-D SoC
- Dual PCIe 4.0 slots

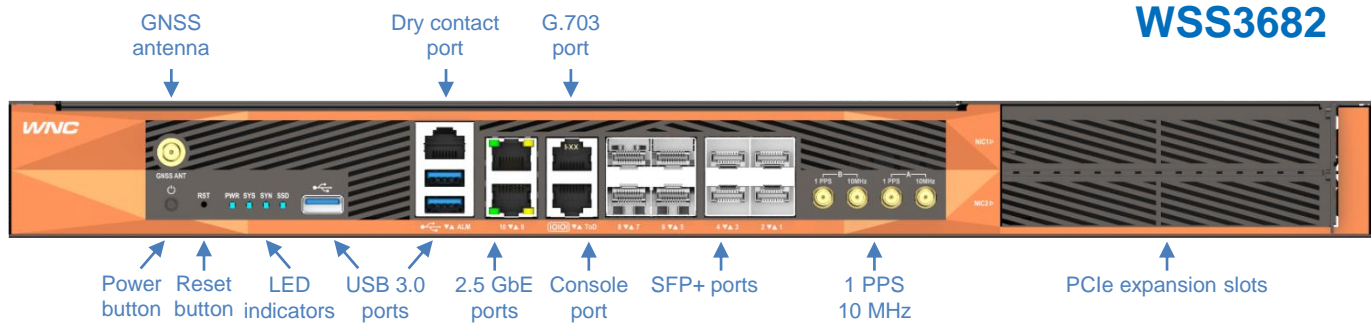


WNC's WSS3682 5G MEC Slim Server is designed for 5G edge networks, providing an open platform for 5G O-RAN, 5G private networks, and 5G MEC applications used in smart city, retail, manufacturing, autonomous vehicles, AR/VR and healthcare products.

The server is a standalone MEC 1U server equipped with Intel's 20-core Ice Lake-D HCC processor. It has a depth of 380 mm to support installation on EIA-19" racks and is especially suited for 19" rackmounts used by telcos. All I/O ports are located on the front side, and two PCIe 4.0 FHFL expansion slots enable the installation of hardware acceleration cards to satisfy the ever-changing requirements of 5G applications and mobile edge computing.

WNC's 5G MEC Slim Server uses a built-in time module and GPS to achieve time synchronization. It can serve as a 5G BBU and can also be used in SD-WAN and AI applications.





### WSS3682 Specifications

<b>CPU</b>	20-core Intel® Xeon® D-2796NT
<b>Memory</b>	8 × DDR4 2933 MHz RDIMM
<b>Accelerator</b>	<ul style="list-style-type: none"> <li>● Built-in Intel® QAT</li> <li>● Built-in Intel® AVX-512</li> </ul>
<b>Storage</b>	3 × M.2 M Key NVMe SSD
<b>Dimension</b>	(W) 440 mm × (D) 380 mm × (H) 44 mm
<b>Network I/O</b>	<ul style="list-style-type: none"> <li>● 8 × 10 GbE SFP+</li> <li>● 2 × 2.5GBASE-T RJ45</li> </ul>
<b>Synchronization</b>	<ul style="list-style-type: none"> <li>● GNSS Primary Reference Timing Clock</li> <li>● IEEE1588-2008 (PTPv2) with optional SyncE</li> <li>● DPLL w/ OCXO for 4 hours holdover</li> <li>● 2 pairs of 1 PPS and 10 MHz input or output</li> </ul>
<b>GNSS</b>	<ul style="list-style-type: none"> <li>● RJ45 ITU-T G.703 timing interface</li> <li>● Built-in GNSS module</li> </ul>
<b>PCIe Expansion Slot</b>	2 × PCIe 4.0 x16 Full-Height-Full-Length (FHFL) slots
<b>Dry Contact</b>	4 pairs of alarm inputs via RJ45 port
<b>Power</b>	Redundant 600 Watt AC/DC slim PSU
<b>Cooling</b>	7 × PWM fans
<b>Weight</b>	6.6 kg
<b>Security</b>	TPM 2.0
<b>USB</b>	3 × USB 3.0 Type A
<b>Console</b>	1 × RJ45 (compatible with Cisco serial interface)
<b>Miscellaneous</b>	<ul style="list-style-type: none"> <li>● 4 × tri-color LEDs</li> <li>● Equipped with power button and reset button</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>● Temperature: 0 °C–50 °C</li> <li>● Humidity: 5%–90%, non-condensing</li> </ul>