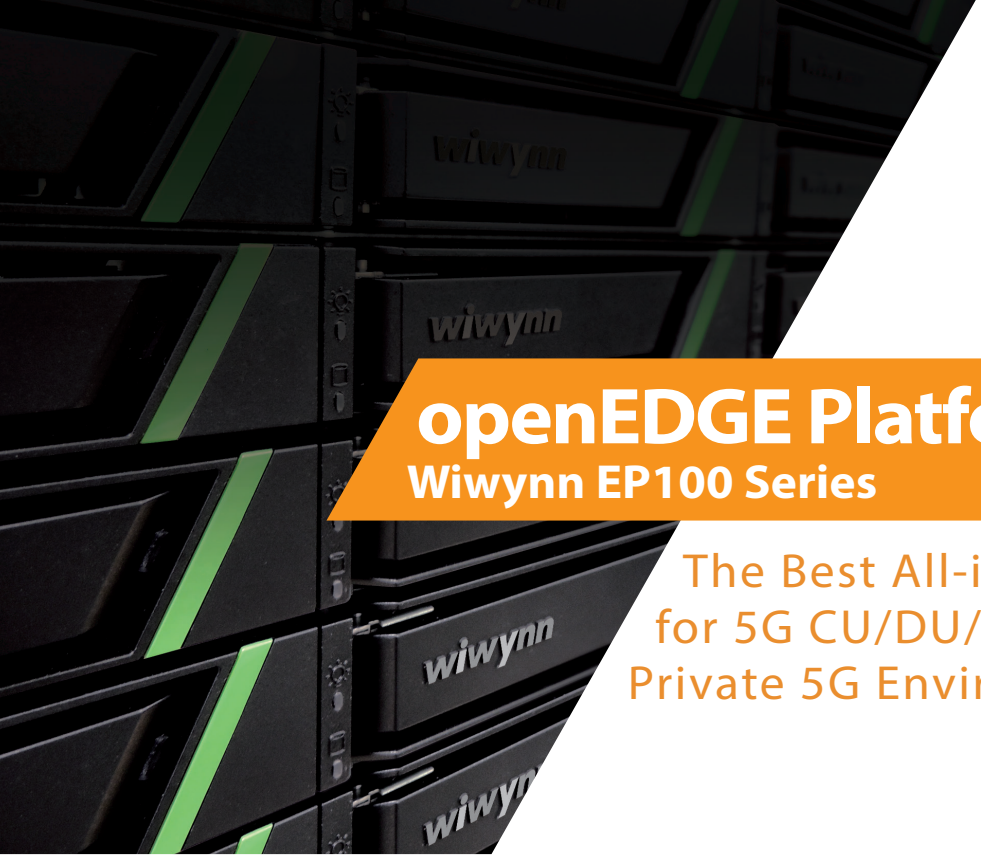

wiwynn

openEDGE Platform
Wiwynn EP100 Series

The Best All-in-one Platform for 5G CU/DU/5GC/MEC and Private 5G Environment.

OCP Inspired for Telco vRAN and MEC Applications

Wiwynn® EP100, adopting the OCP openEDGE specifications, is configured with five 1U half-width single-socket server sleds. Each sled supports one PCIe x16 FHHL accelerator and one OCP NIC 3.0 slot. Flexible platform gives easy interchangeability with different sleds having different configurations to support various workloads such as 5G, vRAN and MEC.

Cultivated and Polished with the Open Foundations

The EP100 is constantly participating in different open foundation tests / certification processes. At the second global O-RAN Plugfest, EP100 was verified in the Deutsche Telekom OTIC lab. The openEdge based server is one of the first server certified for the ONF Aether project. The server is awarded with Ribbon by complying with the requirements of the TIP OpenRan DU/CU Project Group.

Short-Depth Form Factor for Diverse Edge Locations

The 3U short-depth chassis is perfect for the service providers to deploy edge applications on existing infrastructure. They can scale computing power by adding more EP100 systems from base stations to central offices. The solution reduces infrastructure complexity on maintenances by preparing same set of services, parts and service skills.

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Pooled Power and Chassis Controller for Power Efficiency and Management

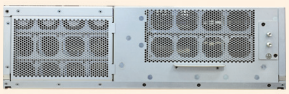
With pooled power supplies and chassis level management, EP100 delivers high power efficiency and easy management for edge sites. EP100 comes with one 1Gb/s (RJ45) for management to RMC to all sleds and two 10G SFP+ ports, front panel for uplinks for chaining multi-chassis.

Intel® SST Enabled for Ultra Reliable & Low Latency Communications

Wiwynn® EP100 adopts the OCP OpenEDGE specification and the latest Intel® Speed Select Technology – Base Frequency (Intel® SST-BF) feature for diverse applications requiring low latency and huge data-processing capabilities at edge sites. With such optimized server design, not only are we well on the way for the current 5G deployment, but also preparing for the upcoming 6G era.

Model : Wiwynn EP100 Series

Node Specification

Model Name	EP100
	  
Form Factor, Processor, Memory and Chipset	
Form Factor	1U, Half Width
Processor	2nd Generation Intel® Xeon® Scalable Processors with up to 26 cores
Processor Sockets	1 (1 Socket/Node)
Chipsets	Intel® C621 series ・TPM 2.0
Memory	8 DIMM slots; RDIMM/LRDIMM; Up to 512GB; DDR4 up to 2933 MT/s
Storage and I/O	
Storage	・Two M.2 NVMe SSD module slots ・Two 2.5” U.2 Hot-plug drives
Expansion Slots	・One FHHL slot (PCIe 3.0 x16) -> Support Accelerators for DU/CU ・One OCP NIC 3.0 card (PCIe 3.0 x16) -> Quad-port 10GbE SFP+ & Dual-port 25GbE SFP28
Remote Management	IPMI v2.0 Compliant; RedFish
Physical Specifications	
Dimensions	41 (H) x 215 (W) x 421.8 (D) mm
Weight	3.5kg
Fan	4
OS	
Support List	RedHat Enterprise Linux 8.x, CentOS 7.9, Ubuntu 20.04

Chassis Specification

Form Factor	3U	
PSU	2x 2000W, AC/DC/DC(±48V), 1+1 Redundant Hot-swappable PSU	
Dimensions	130.6 (H) x 442.4 (W) x 432 (D) mm	
Weight	25Kg	
Management LAN	・One GbE RMC port ・Two 10G SFP+ ports	
Environmental	Operating conditions • NEBS Level 3 compliant (GR-63, GR-1089) Operating temperature range: • -5°C …+55°C according to GR-63-CORE & ETSI EN300 019 • NEBS Level 3 compliant • Operating humidity: 5% to 95% EMC • FCC CFR47 15 (class A), CISPR 22/32 (class A) CISPR 24 • NEBS Level 3 compliant	Safety • SR-3580 • IEC 62368-1:2014 • NEBS Level 3 compliant (electrical safety, grounding and bonding) Seismic tolerance • NEBS Level 3 compliant Acoustic noise • NEBS Level 3 compliant Fire resistance • NEBS Level 3 compliant

wiwynn®

Wiwynn is a fast-growing cloud infrastructure provider that develops high-density computing and storage products, plus rack solutions for leading data centers.

8F, 90, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City, 22102,Taiwan, R.O.C.
Telephone: 886-2-6615-8888 Email: sales@wiwynn.com Local Toll Free: 0800-588-300