Rapid.Space EdgePOD

Key Benefits

- Plug-and-play
- Compact form factor
- AMD / Hygon / NXP CPU
- Built-in CDN
- Built-in SDN
- Built-in PaaS
- Built-in PLC
- Built-in IoT gateway
- Optional vRAN
- Optional GPU
- OPC-UA TSN
- IEEE 1588v2
- Fully Open

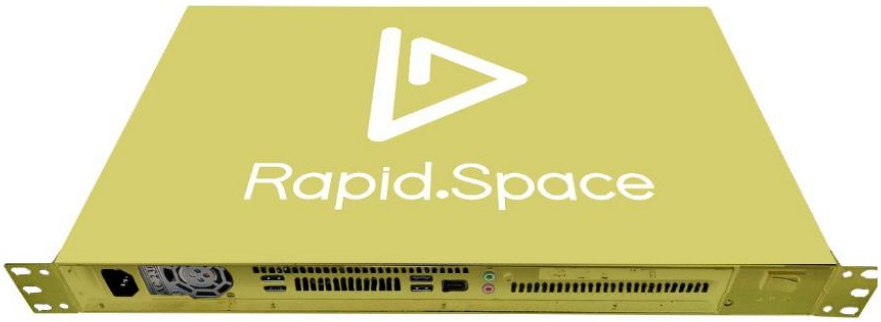
Use Case

- Digital Resilience
- Digital Workplace
- Legal Immunity
- Data Privacy
- Smart Gateway
- Industry 4.0
- D-RAN
- AI

Building block for cost-efficient SimpleRAN infrastructure.

Compact 1U edge server

Compact 1U edge server with 8-core CPU (Hygon) or 16-core (AMD, NXP) and front-facing connectors for power and LAN. 280 mm depth ideal for rack cabinets used in factories, offices, government, hospitals or outdoor telecom.



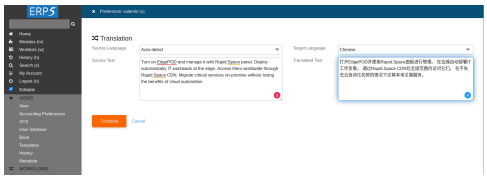
Plug-and-play edge computing

Turn on EdgePOD and manage it with Rapid.Space panel. Deploy automatically IT workloads at the edge. Access them worldwide through Rapid.Space CDN. Migrate critical services on-premise without losing the benefits of cloud automation.

EdgePOD AI

Accelerate AI workloads with embedded NVIDIA GPU. Use on-premise AI for interactive translation, image generation, text completion or chat without disclosing sensitive information.

EdgePOD AI



AI translator

Digital Resilience

Maintain a resilient digital infrastructure during Internet outage or congestion. Access corporate ERP CRM, factory MES or digital workspace during public cloud unavailability. Deploy digital infrastructure in regions with competitive energy supply. Transfer corporate IT to regions with friendly regulation.

Theia PaaS

Add new services with Theia, a Web IDE used by SAP, IBM, Ericsson and Huawei. Use Rapid.Space Platform as a Service (PaaS) for Service Lifecycle Automation (SLA).

Disaster Recovery Mesh

Add more EdgePOD in different sites for backup and build an indestructible disaster recovery mesh. Also works with Rapid.Space VPS and 3rd party clouds.

Low Latency

Linux kernel with PREEMPT_RT for hard real-time. IEEE 1588v2 for high precision time synchronisation. IEEE 802.1 TSN for time sensitive networking. Optional CPRI adapter for vRAN.

“Industry 4.0” Enabled

Built-in PLC compatible with IEC 61131-3 standard and OPC-UA coupler for industrial automation. Built-in data collection gateway compatible with 100+ IoT protocols including MQTT.

vRAN Enabled

Optional CPRI adapter and multi-vendor BBU software for 4G/5G vRAN. Compatible with radio units from Lopcomm, AW2S and VHT.

Globally Immune

Available worldwide. Immune to extraterritorial jurisdiction thanks to choice of CPU: AMD (USA), Hygon (China) or NXP (European Union).

Zero-Knowledge Security

Neither passwords nor credentials need to be shared between the EdgePOD and Rapid.Space. Ideal for sensitive applications (defense, government, research) that require full reversibility and offline operation.

Fully Open

All software of EdgePOD is open source except TextSynth. Edge AI models, operation management panel and operation procedures are open source. EdgePOD rack chassis is open hardware. Anyone can copy Rapid.Space EdgePOD and run their own edge infrastructure and edge automation panel.

Rapid.Space

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Printed in France
2024-Feb