

PEGATRON Private 5G Introduction

2025

Rev.01

- Navigate the Future Faster | The Value Leader in Enterprise 5G -

PEGATRON 5G >>



Current Role

Pegatron (5G Business) ☆ 부사장 – Wireless Convergence

중남미 엑셀러레이터 ☆센터장

한국원자력대학원 (산자부) ∢해외사업 연구자문



PEGATRON

KINGS KEPCO INTERNATIONAL NUCLEAR GRADUATE SCHOOL

Prior Experience



Company Introduction

A trusted provider of electronic manufacturing services. Offers a wide range of products and solutions to business worldwide.

Established on	Headquarters	2023 Consolidated Revenue	2023 Revenue Breakdown by Main Product Segment
June. 27 th	Taipei,	USD \$	Others, 11%
2007	Taiwan	40.3 Bn	Computing, 10% Consumer Electronics, 15%
Global Operation Sites	Total Number of Employees	2024 Fortune Global 500	Communication, 64%
24	~100,000	No. 375	



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Company Introduction – Global Operations



Company Introduction – Major Product Categories

Computing

- Notebook PC
- Desktop PC
- Motherboard
- Al Server & Cloud Computing
- Edge Computing

Artificial Intelligence

- **Digital Twins**
- AI-enabled SOP Analysis
- Vision AI
- **ADAS** Computing • Lidar
- Body Controller

• IVI & eCockpit

Automotive

- Infotainment System
- EVSE
- EV ECU
- Powertrain

• E-Bike

IoT & Smart appliances

- AR/VR
- Headset
- Game Console
- AloT
- Exercise Equipment
- E-cigarette
- Smart Helmet
- Healthcare

Communication devices

- Smartphone
- 5G O-RAN
- Network Switch
- Cable Modem
- Set-Top Box
- Access point, FWA

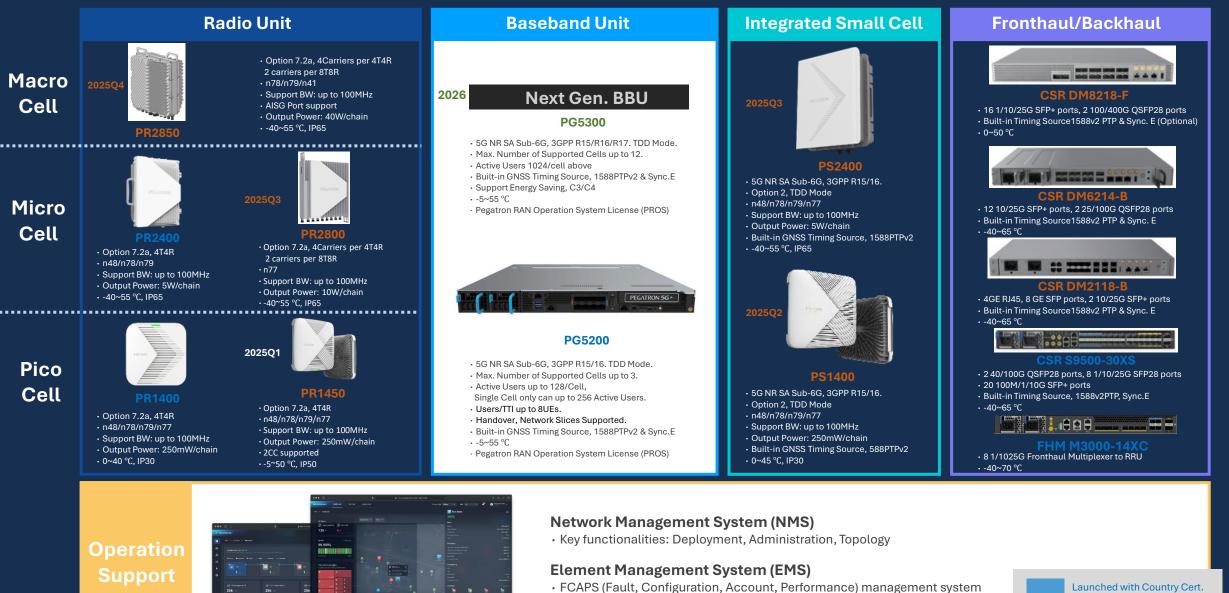


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5G Solution Introduction – Product Portfolio

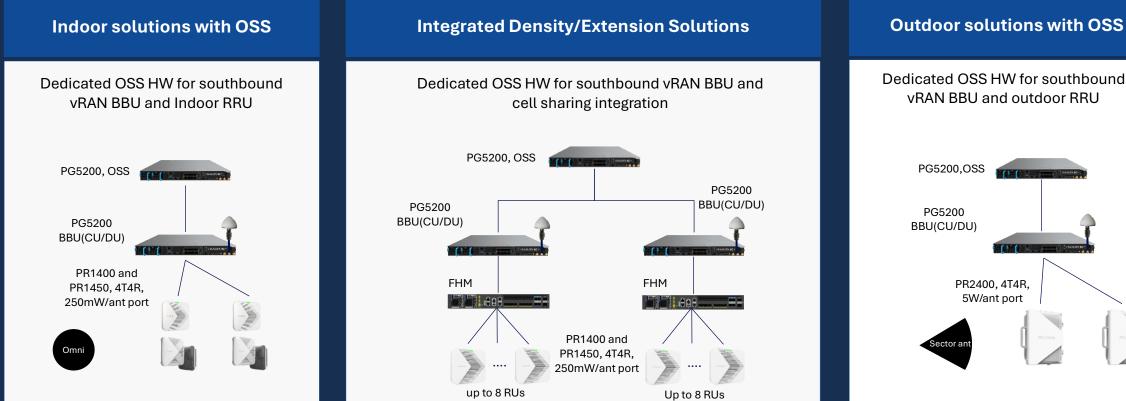
System



 Key functionalities: Dashboard, gNB Management, UE Management, Tools, Alarm Management, Setting Management.



PEGATRON 5G >> 5G Solution Introduction – P5G NR Radio Access Network System Solution



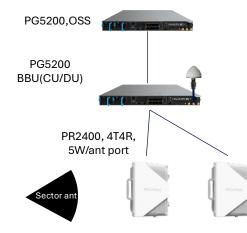
Note:

- 1. An internal omni antenna transmit line of sight up to 40 meter at RSRP -100dBm
- 2. L3 switch is subject to require, regarding of the number of networking products or the capacity of field deployment.

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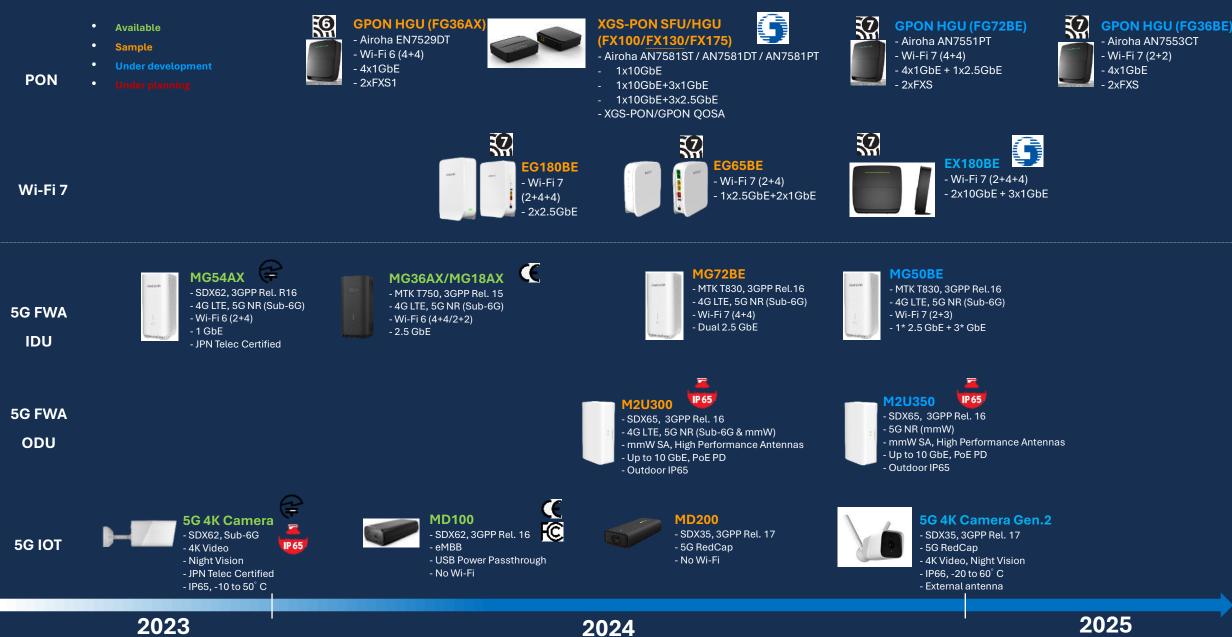
Dedicated OSS HW for southbound vRAN BBU and outdoor RRU



Note:

- 1. Sector antenna with 12dBi gain and horizontal bean at 60[°] transmit line of sight 400 meter at RSRP -100dBm
- 2. L3 switch is subject to require, regarding of the number of networking products or the capacity of field deployment.

5G Solution Introduction – User Equipment – 5G UE, 5G IOT, PON, Wi-Fi 7



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5G Solution Introduction – Compliance and Awards



innovative Application Award 2022

2022

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CFU

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5G Private Network Worldwide Experience



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5G Private Network Use Case : Smart Manufacturing

Pegatron Taipei Factory





Pegatron Vietnam Factory





Pegatron Taoyuan Factory



PEGAVISION Factory







Smart PCB Factory



Automation Equip Factory

」 置傳FET



Automated Logistics



Meat Processing Plant

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5G Smart Factory in Indonesia



Devices Connection : > 1000+

Signal Coverage : >85,000 m²

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5G Private Network Use Case: Defense/Industrial Digital Resilience

20224





MODA Digital Resilience

5G + MEO (SES) / 5G +LEO (OneWeb)

數位發展部

Ministry of Digital Affairs

	Yang Ming Marine
	5G + LEO (Starlink)
20224	
	YANG MING
	YANG MING MARINE TRANSPORT CORP.



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5G Private Network Use Case

Petrochemical Industry, Education, Campus & Exhibition Center







Interactive Theater





Rural VR Education



Exhibition Center



Website



https://5g.pegatroncorp.com

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