

Take Your 5G CPE to Next Level

An all-in-one Network Operating System (NOS) for CPE to provide not only flexible forwarding services but also outstanding computing performance.

O'PRUEBA

iGWS

Support x86 & ARM Processor



ARM x86

3-in-1 uCPE
With 5G Router, IPC
and PoE Switch

One-Stop Solution

5G Public & Private Network Access
Standardize  Container & API

Hello,
Join Us to
Compute the World
and Connect to Future

With cost-effective network access providing uninterrupted Internet connectivity and 5G transmission throughput of over 1 Gbps, iGWS also features containerized microservices and maximum x86-based computing power, enabling MEC and Far Edge Computing use cases suited to the agility, scale, and reliability requirements of modern cloud applications.



Intelligent Switching & Routing

- Software defined Networking (SDN)
- Multiple WAN Setting
- Support Network Slicing
- Seamless Failover & Load Balancing



Far-Edge Computing

- Docker Container Applications
- Enable Intelligent Workload Placement
- Low Latency & Scalability
- Reduces Backhaul



Centralize Control

- Provide 150+ Standard API
- Mobile Remote Control
- OTA Troubleshooting
- Easily Bulk Deployment



Plug & Play Design Intuitive Interfaces

- Configure & Upgrade Smoothly
- Real-time Response & Great Mobility
- Guarantee Clarity & Consistency
- Facilitate Management Process

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Product Overview

iGWS (Intelligent Generative Wireless System) is an all-in-one Network Operating System (NOS) for CPE or FWA equipment to provide not only flexible forwarding service but also outstanding computing performance. iGWS supports all communication channels (fiber, copper, cellular), the total solution for all data services through a single platform with multiple WAN ports including 5G technology, making it an excellent solution for enterprise scenarios. Also, in the transition from 4G to 5G, iGWS works with both 5G SA and 5G NSA so that it can help facilitate a smooth and rapid introduction of 5G services.

iGWS - Software Features

Intelligence Forwarding Solutions

- Software-Defined Network
- Single Point Network Slicing for SLA
- Heterogeneous interface Orchestration
- Never Stop Connection with Hybrid WAN
- Flexible Deployed Routing and Switching

Container APP

- Based on containerized microservices
- Management and smooth development
- Offer fast application scale-up service
- Provide Official containers in App Store
- Easy to install Docker container

Intuitive Management

- Manage with web GUI
- Facilitate management process
- Graphical connection status
- Connect via SSH

API

- 150+ Standard API
- Integrating APIs to 3rd party control systems (NMS)
- Connect to Controlador for Zero Touch Provision and Centralized Control

Multiple WAN

- Self-Define Multiple WAN
- Guarantee uninterrupted Internet
- Smart Failover & Failback
- Load Balancing

Mobile Network

- Support 5G NSA and SA standards
- Signaling Information
- Fully compatible with 4G networks
- Multiple APN support
- SIM card IMSI binding
- eSIM support (optional)

Software-Defined Port Type

- Easily switch between WAN and LAN port
- Dynamic adjustment-related pages

OTA

- Mobile Remote Control
- Firmware upgrade

Firewall

- Access Control List
- Port forwarding
- NAT

Diagnose

- Speedtest
(Performance metrics of WAN port)
- iPerf (server and client mode)
- Cell Scanner
- Ping
- Traceroute
- Diagnose scheduler

Statistics & Logs

- Usage activity
- Visualize network traffic
- Connected devices
- POE Power Information
- System, Mobile, Diagnose logs
- Port type change log
- Export log

Power over Ethernet

- Total PoE power budget control
- Toggle PoE function

VLAN

- Port mode (Access, Trunk)
- Support Multi-SSID
- Support Ethernet port

Network Communication Interface

- Mobile network
- Ethernet
- WiFi 6 or WiFi 6E
- PoE
- SFP
- Console port