VNPT Technology
A MEMBER OF VNPT

iGATE AP1OH SERIES

OUTDOOR ACCESS POINT

The **iGate AP1OH Series** access point deliver high performance and superb user experience for medium density outdoor environments. The **iGate AP1OH Series** are part of the VNPT Technology's Total Wi-Fi Solution of 802.11ac-enabled access points, delivering a robust mobility experience. In addition, the devices can be used to integrate in other Wi-Fi solutions that comply with standards protocols (eg. RADIUS, CAPWAP, EAP, etc.)

Featuring 802.11ac wave 1 with 3x3 MIMO and Band Steering, the **iGate AP1OH Series** enable an all wireless digital work environment.

With a maximum concurrent data rate of 1300 Mbps in the 5GHz band and 900 Mbps in the 2.4 GHz band, the **iGate AP1OH Series** bring an always-on wireless network experience with the performance required for Enterprise and Communications Service Provider (CSP). It is a deal for medium density indoor environments across verticals.

PRODUCT HIGHLIGHTS

High reliability
Dual Power Supply
Water Proof
Lightning Protection
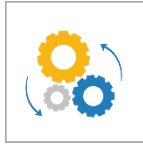
Easy Management
WebGUI/CLI
VNPT Technology's ONE
Controller

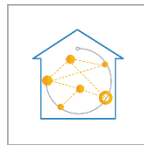**Global Standards**
IEEE 802.11b/g/n@2.4G
IEEE 802.11a/n/ac@5G

Flexible Configuration
Plug and Play
Remote configuration
Automatic FW Ugrade

Multi-WAN
Ethernet
Repeater

Dual Band Radio
Software-
configurable dual
band radio (2,4 GHz
& 5 GHz)

MIMO Antenna
3x3 MIMO
External Antenna

Wi-Fi Offload
Non Seamless
Wi-Fi Offload
(NSWO)

**High Performance**
1.7 Gbps BW
(Dual Band)

Security
Captive Portal
802.1x
WPA/WPA2

TYPICAL DEPLOYMENT MODELS

**Deploy LBO (Local Break Out) traffic at Wi-Fi Gateway**

An **iGate AP1OH Series** connects to a Gateway (ONT, Router) via Ethernet. User traffic from APs is concentrated to a Wi-Fi Gateway (WAG) and is LBO to the internet. OAM traffic from AP is routed through the internet to Wi-Fi Core
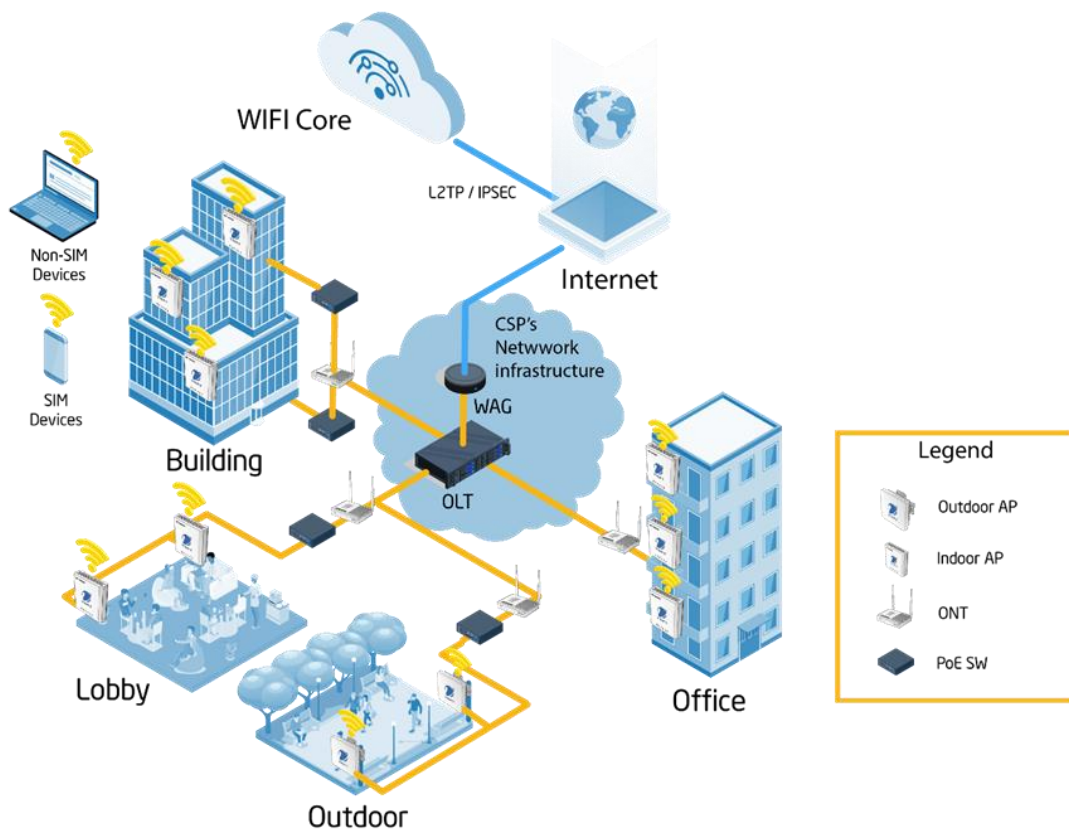
Deploy Offload traffic to the mobile core network

An **iGate AP1OH Series** connects to a Gateway (ONT, Router) via Ethernet. All traffic from APs is concentrated to a Wi-Fi Gateway (WAG). At WAG, the OAM (Operations, Administration and Management) traffic is routed to the Wi-Fi Core, while User Traffic is LBO direct to the internet. Wi-Fi Core will communication to the mobile network's

core network to provide authentication & authorization for internet service and VAS (Value Added Service).
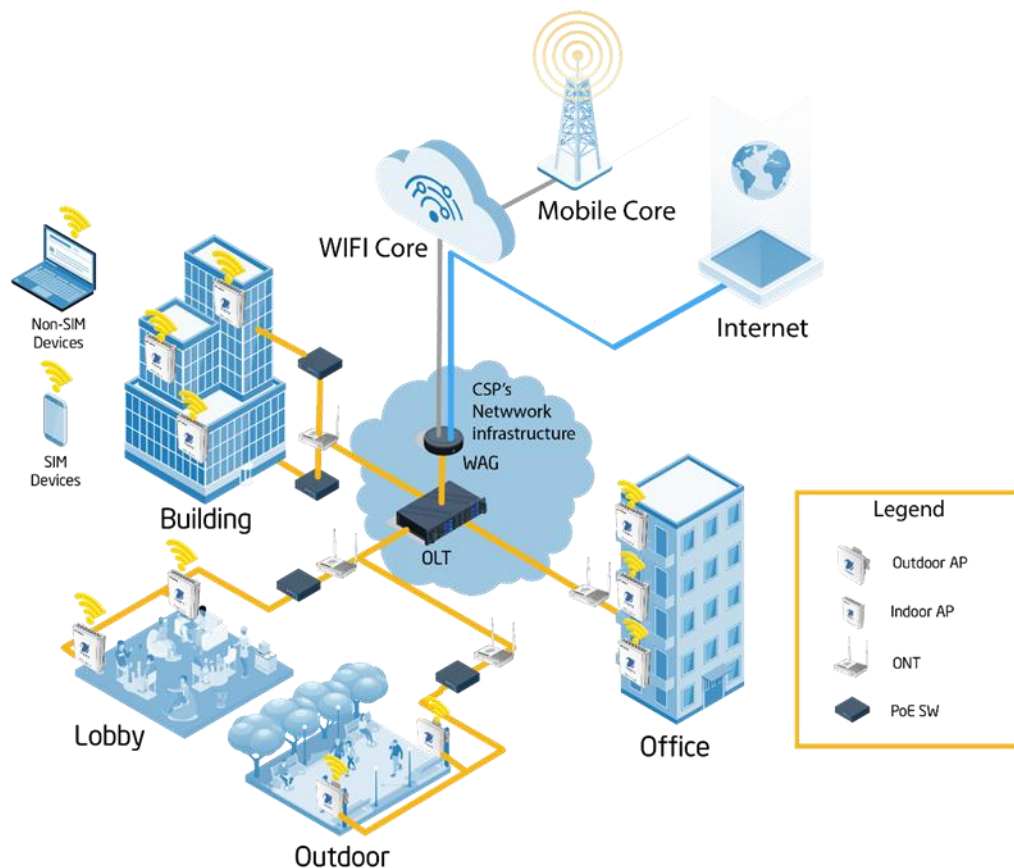
FEATURES

Wireless Features

- Operating Mode: AP, Repeater

- Active Dual Band: 2.4 GHz & 5 GHz

- Band Steering (AP 1101OH model)

- Limited Concurrent Client (CCU)

Multi-WAN Features

- Wireless WAN connectivity (Repeater)

- Ethernet WAN Connectivity

Management Features

- Local Management with WebGUI/ CLI/Telnet

- Remote Management with VNPT Technology 's ONE Controller

- Device Information, Connection Statistic, Station monitoring

- Diagnostics Tool: Ping, Trace, Log

- Upgrade FW: Local, Remote

- Backup, Restore Configuration

Security

- WPA-PSK, WPA2-PSK, WPA-EAP & WPA2-EAP

- 802.1x Authentication (EAP- SIM/ TLS/TTLS/SIM/AKA/AKA'), Captive Portal, Mac based

- WEP, TKIP & AES Encryption

- MAC Filtering

- SSID Hidden

- SPI Firewall

- Access Control by SSID

Network

- Forward & Routing Traffic: Bridging/ routing/ Static routing

- DHCPv4/DHCPv6 (Server, Client)

- PPPoE Client

- VPN Passthrough

- VLAN/IPSEC/PPTP/L2TP

- IPv4/IPv6 Dual Stack, IPv6 only

- NAT & Port Forwarding

- DNS/DDNS

- HTTP Redirect (Captive Portal Authentication)

Protocols

- Management: HTTP, CAPWAP

- Authentication: RADIUS, EAP

TECHNICAL SPECIFICATIONS

Interface

- WAN — 1x 10/100/1000 Base - T (RJ45), PoE support
- Ext. Antenna — 3x N-Type connectors

Wi-Fi

- IEEE Standards — 802.11 a/b/g/n/ac wave 1 802.11i security & 802.11v
- PHY Rate — 2.4GHz:
  450 Mbps (AP1101OH/ AP0101OH model)
  900Mbps (AP0201OH model)
  5GHz: 1300Mbps (AP1101OH model)
- Channel Bandwidth — 2.4GHz: 20/40 MHz
  5GHz: 20/40/80 MHz
- Frequency — 2.4 - 2.4835 GHz
  5.170 - 5.835 GHz
- Radios — Single Band (AP0101OH/ AP0201OH model)
  Dual Band (AP1101OH model)
- Antenna — 2.4GHz: MIMO 3x3
  5GHz: MIMO 3x3
  External Omni 14dBi (2.4GHz)
  External Omni 19dBi (5GHz)
- EIRP — 23dBm (2.4GHz)
  25dBm (5GHz)
- SSID — 8 SSIDs (AP0101OH model)
  16 SSIDs (AP1101OH/ AP0201OH model)
- CCU — 35 User/Radio (AP0101OH model)
  70 User/Radio (AP0201OH/ AP1101OH model)

LED and Buttons

- Buttons — 1x Reset
- LED — 1x Power/SYS LED
  1x WAN LED
  2x Wi-Fi LED

Power

- Types — PoE 802.3at/af, 48V-1A
- Power consumption — 15W (MAX)

Other

- Dimension   265x265x65mm
- Operating $0^{\circ}C \div 50^{\circ}C$
  temperature
- Operating $\leq 100\%$
  humidity

- Mounting   Wall/Pole
- Water Proof   IP-67
- Lightning   3KV
  Protection

CUSTOMER CARE & TECHNICAL SUPPORT CENTRE

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