

### Single Pane of Glass

A modern web interface for IT teams to plan, deploy, operate and monitor enterprise networks.

### Configuration Automation

Business policies are defined organization-wide, and are enforced across all gateways, access points and switches.

### Reporting and Documentation

Business reports and technical documentation can be created for invoicing, audits and management reporting.

### Centralized Visibility

Tracking of network activity across all sites by application and user enables smarter decision making.

### Zero-touch Deployment

Network equipment is shipped directly to remote sites already registered and activated from the cloud.

### Configuration and Analytics API

Third party integration with network configuration and activity data through programmable read/write interfaces.



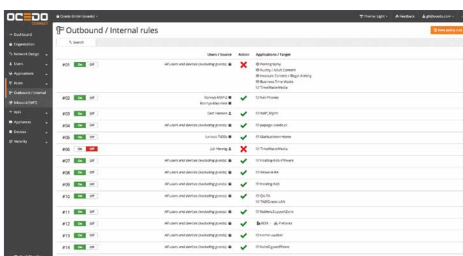
Gateways



Switches

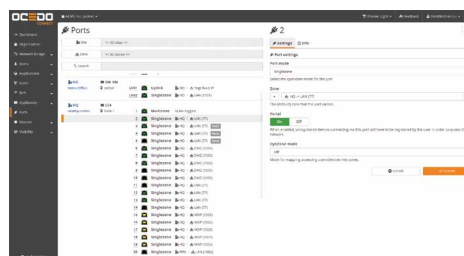


Access Points



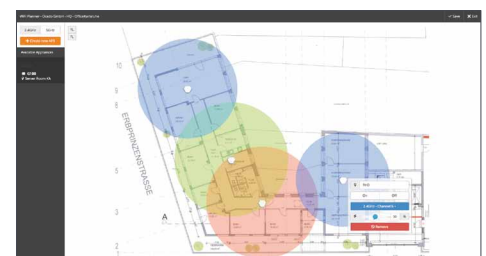
### Features

- Next generation firewall
- Web filtering & application control
- Live threat protection
- AutoVPN (Hub'n'Spoke/Full Mesh)
- WAN link balancing
- Traffic prioritization (QoS)
- Network zoning (VLAN & XLAN)
- IPv4/IPv6 address management
- IPv6 ready



### Features

- Network zoning (Auto VLAN)
- Automatic trunking
- Cloud stacking
- Switch resilience
- NAC - port security (MAC & 802.1x)
- Device detection & inventory
- Traffic prioritization (QoS)
- Automatic network documentation
- IPv6 ready



### Features

- Strong encryption (WPA/WPA2)
- Fast, company wide roaming
- Guest portal & Social Wi-Fi
- BYOD self registration portal
- Wi-Fi hardening (802.11w)
- Integrated WiFi planning
- Network zoning (DynZone)
- Traffic prioritization (802.11e)
- IPv6 ready



### Distributed Firewalling

Modern user and application-based firewalling. One central policy is applied organization-wide.

### Uplink Balancing

Internet and WAN traffic is intelligently balanced across multiple providers, increasing bandwidth and reliability.

### Traffic Prioritization

State of the art Quality of Service (QoS) algorithms prioritize network users and applications, e.g. video conferencing.

### AutoVPN

Secure and fully automated WAN connectivity between local area networks, data centers, and home offices.

### Live Threat Protection

Connectivity to hundreds of botnets or otherwise infected servers known to be in the wild is blocked by the network.

### Network Zoning

Organization-wide virtual network zones reduce attack surfaces and contain possible breaches.

## GATEWAY MODELS



G50/ G50w



G100



VM GATEWAY

	G50/ G50w	G100	VM GATEWAY
<b>Use Case</b>	Small branch office or retail	Medium branch office	Virtual- and Cloud Environments
<b>Recommended # of users</b>	5-50 users	25-250 users	5-5000 users
<b>Performance</b>	1 Gbit/s firewall throughput 200 Mbit/s VPN throughput	2 Gbit/s firewall throughput 400 Mbit/s VPN throughput	Up to 5 Gbit/s, depending on virtualization/cloud platform
<b>Interfaces</b>	2x GbE WAN ports 8x GbE LAN ports 2x WLAN (2.4/5 GHz, 2x2 MIMO, only G50w) 1x Built-in 3G WWAN (optional) 1x USB 2.0 port	2x GbE WAN ports 8x GbE LAN ports 1x USB 2.0 port OLED status display	1-20 GbE LAN ports
<b>Power</b>	12V/2A DC power adapter (included)	100-240V 50/60Hz AC (built-in)	n/a
<b>Physical Design</b>	Industrial design Snapdisc mount Desktop/wall mountable	Industrial design 1U rackmount	Compatible with VMware, KVM, Hyper-V Citrix, Virtual Box, Amazon Web Services (2 Cores, 512 MB RAM, 50MB disk)
<b>Dimensions</b>	32.0 x 23.5 x 4.5cm (12.6 x 9.3 x 1.8in)	44.1 x 21.9 x 4.4cm (17.4 x 8.6 x 1.7in)	n/a
<b>Weight</b>	0.8 kg (1.76lb)	3 kg (6.61lb)	n/a
<b>Temperature Range</b>	Operating: 0 to 40°C (32 to 104°F) Storage: -20 to 60°C (-4 to 140°F)	Operating: 0 to 40°C (32 to 104°F) Storage: -20 to 60°C (-4 to 140°F)	n/a
<b>Certifications</b>	FCC, CE, CB, ICASA, SABS, NRCS, CITC, TRA, TK	FCC, CE, CB, ICASA, SABS, NRCS, CITC	n/a



### Network Zoning

Organization-wide automated deployment of VLANs reduces attack surfaces and contains possible breaches.

### Automatic Trunking

VLAN and LAG are automated when connecting switches, eliminating manual configuration errors.

### Traffic Prioritization

State of the art Quality of Service (QoS) algorithms prioritize network users and applications, e.g. video conferencing.

### Cloud Stacking

Ports are managed across the entire network as if working with a single switch.

### Port Security

Only known and allowed devices get network access. Authentication through MAC learning or 802.1x.

### Low Noise

Ocedo switches come without any moving parts, greatly increasing reliability and reducing noise.

## SWITCH MODELS



S12



S24



S48

Use Case	Small branch office or retail	Medium branch office	Medium and large office
Performance	30 Gbit/s switching capacity non-blocking fabric ultra-low latency	70 Gbit/s switching capacity non-blocking fabric ultra-low latency	130 Gbit/s switching capacity non-blocking fabric ultra-low latency
Interfaces	12x GbE PoE+ ports 2x GbE SFP ports	24x GbE PoE+ ports 4x 10GbE SFP+ ports OLED status display	48x GbE PoE+ ports 4x 10GbE SFP+ ports 2x 40G QSFP+ stacking ports OLED status display
Power	120W PoE Budget 150W Built-in power supply 100-240V 50/60Hz AC	270W PoE Budget 300W Built-in power supply 100-240V 50/60Hz AC	670W PoE Budget 2x 700W Built-in power supply 100-240V 50/60Hz AC
Physical Design	Industrial design Desktop/wall mountable 1U rackmount kit (included)	Industrial design 1U rackmount	Industrial design 1U rackmount
Dimensions	30.6 x 21.9 x 4.4 cm (12.0 x 8.6 x 1.7in)	44.1 x 30.5 x 4.4 cm (17.4 x 12.0 x 1.7in)	44.1 x 40.5 x 4.4 cm (17.4 x 15.9 x 1.7in)
Weight	2 kg (4.41lb)	4.95 kg (10.91lb)	5.95 kg (13.11lb)
Temperature Range	Operating: 0 to 45°C (32 to 113°F) Storage: -20 to 60°C (-4 to 140°F)	Operating: 0 to 45°C (32° to 113°F) Storage: -20 to 60°C (-4° to 140°F)	Operating: 0 to 45°C (32° to 113°F) Storage: -20 to 60°C (-4° to 140°F)
Certifications	FCC, CE	FCC, CE	FCC, CE



### Fast and Secure

Enterprise-class multi-site Wi-Fi for visitors, employees, and the Internet of Things.

### Wi-Fi Floor Planning

Access points are placed and managed on customer floor plans, allowing optimized Wi-Fi performance and coverage.

### Remote Wi-Fi

Use access points to securely and efficiently extend your enterprise WAN to home offices.

### BYOD Ready

Device proliferation is controlled by captive portals for self enrollment of both guests and employees.

### Traffic Prioritization

Airtime prioritization for network users and applications, e.g. VoIP or video streaming.

### Network Zoning

Virtual zones follow their users throughout the organization, providing consistent connectivity and security.



## ACCESS POINTS MODELS



AP3



AP5



AP5r

	AP3	AP5	AP5r
<b>Radio Specification</b>	1x 802.11g/n radio on 2.4 GHz 1x 802.11a/n radio on 5 GHz 600 Mbps max rate 2x2 MIMO with 2 spatial streams Internal diversity antennas 2x 5dBi on 2.4 GHz 2x 5dBi on 5 GHz	1x 802.11g/n radio on 2.4 GHz 1x 802.11a/n/ac radio on 5 GHz (DFS) 1750 Mbps max rate 3x3 MIMO with 3 spatial streams Internal 3D sectorized antenna array 3x 4dBi on 2.4 GHz 3x 5dBi on 5 GHz	1x 802.11g/n radio on 2.4 GHz 1x 802.11a/n/ac radio on 5 GHz (DFS) 1750 Mbps max rate 3x3 MIMO with 3 spatial streams Omni-directional antennas (N-Type) 3x 5dBi on 2.4 GHz 3x 7dBi on 5 GHz
<b>Interface</b>	1x GbE port	1x GbE port	2x GbE ports
<b>Power</b>	802.3af Power-over-Ethernet 12V/2A DC power adapter (optional)	802.3at Power-over-Ethernet 12V/2A DC power adapter (optional)	802.3at Power-over-Ethernet
<b>Physical Design</b>	Industrial design Snapdisc mount Desktop/wall/ceiling mountable	Industrial design Snapdisc mount Desktop/wall/ceiling mountable	Industrial design Wall, pole mountable IP68-rated waterproof housing
<b>Dimensions</b>	18.9 x 21.0 x 4.0cm (7.44 x 8.26 x 1.57in)	18.9 x 21.0 x 4.5cm (7.44 x 8.26 x 1.77in)	28.5 x 21.8 x 5.3cm (11.22 x 8.58 x 2.10in)
<b>Weight</b>	0.8 kg (1.8 lb)	0.9 kg (2.0 lb)	4 kg (8.8 lb)
<b>Temperature Range</b>	Operating: 0 to 40°C (32 to 104°F) Storage: -20 to 60°C (-4 to 140°F)	Operating: 0 to 40°C (32 to 104°F) Storage: -20 to 60°C (-4 to 140°F)	Operating: -20 to 70°C (-4 to 158°F) Storage: -30 to 80°C (-22 to 176°F)
<b>Certifications</b>	FCC, CE, CB, TRA, ICASA, SABS, CITC, SASO	FCC, CE, CB, TRA, ICASA, SABS, CITC, SASO	FCC, CE, CB, TRA, ICASA, SABS, CITC, SASO