

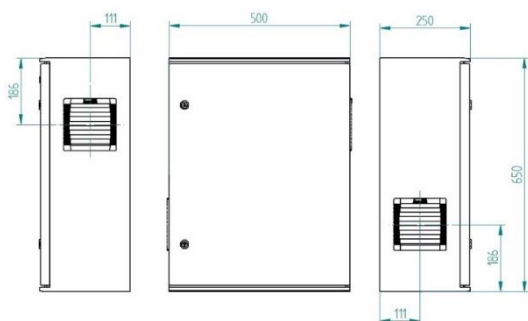
PowerNet240

Unified Outdoor Communication Cabinet

Features:

- 240W Total Poe Output
- 8 PoE interfaces + 2 SFP
- Dual SIM + WAN connectivity
- DC backup system
- Enclosure IP-55
- Electrical Protections

Mechanical dimensions:



Model	PowerNet240				
Electrical					
INPUT					
AC Input Voltage Range	100~264VAC				
AC Input Frequency Range	47 ~ 63Hz				
AC Input Current	1.3A/230VAC				
Output					
DC Voltage	24V,48V				
Rated Total Power	240W				
Rated Current	10A				
Battery	2X20Ah				
Hold-up/Back-up time	DOD	Load	Back-up time [MIN]	Load	Back-up time [MIN]
* Can be affected by temperature and life cycle	50%	120W	85	240W	35
	75%	120W	130	240W	60
Protections					
Overload @ DC Voltage #1	Protection type: Constant current limiting, recovers automatically after fault condition is removed 105 ~ 130% rated output power				
Overvoltage @ DC Voltage #1	Protection type: Shut down o/p voltage, re-power on to recover				
Over Temperature	Shut down o/p voltage, recovers automatically after temperature goes down				

Switching Features	
Port Configuration	
10M/100M/1G RJ45 Port	8
GbE RJ45/SFP Combo Port	2
Console Port	RJ45
HW Performance	
Switching Bandwidth	20Gbps
Forwarding Performance	14.88Mpps
MAC Address	8K
Jumbo Frames	9216 Bytes
L2 Switching	
Spanning Tree	IEEE802.1D (STP)
	IEEE802.1W (RSTP)
	IEEE802.1S (MSTP)
VLAN	802.1Q VLAN
	Port-Based
	4K VLAN Entries
	Private VLAN
	Voice VLAN
	Guest VLAN
	Q-in-Q
	802.1v Protocol VLAN
	MAC-Based VLAN
	IP Subnet-Based VLAN
IEEE 802.3ad LACP	Dynamic Trunk
	Static Trunk
GARP/GVRP	
IGMP Snooping	
MLD Snooping	
Multicast VLAN Registration (MVR)	
L3 Features	
Static Route	
DHCP Server	
QoS Features	
Class of Service	Port Based
	802.1p
	DSCP
	TCP/UDP Port
Rate Limiting	Ingress
	Egress
Priority Queue Scheduling	WRR
	Stri Priority
Hardware Queues	8

Security	
ACLs	L2/L3/L4
	IPv6 Support
Port Security (MAC-based)	
IP Source Guard	
Storm Control	
RADIUS Authentication 802.1x	
TACACS+ Authentication	
HTTPs and SSL (Secured Web)	
BPDU Guard	
STP Root Guard	
DHCP Snooping	
Loop Protection	
Management	
DHCP	Client
	Relay
	Option 66
	Option 67
	Option 82
Event/Error Log	Syslog
	SMTP (RFC821)
Management Access Filtering	SNMP
	Web UI
	Telnet
PoE Management	SSH
	Scheduling
	Auto-Checking
Power Delay	
SNMP (v1, v2c, v3)	
RMON (1,2,3 & 9 Groups)	
Software Upgrade	
Configuration Export/Import	
Port Mirroring	
LLDP (IEEE802.1AB)	
LLDP-MED (IEEE802.1AB)	
CDP Aware	
sFlow	
IPv6 Management	
NTP	
Device Management System	
Device Management	Topology View
	Floor View
	Map View
	Dashboard
	Traffic Monitoring
	Cable Diagnostics
Switch2go	iOS Devices
	Android Devices
Find my Switch	iOS & Android Devices

Routing Features	
Cellular Interface	
Standard	Bands
4G: FDD LTE	B1/B3/B5/B7/B8/B20
4G: TDD LTE	B38/B40/B41
3G: WCDMA	B1/B5/B8
2G: GSM/EDGE	B3/B8
Hardware & I/O Interface	
528 MHz CPU with 512 Mbytes DDR3	
2 x SIM Card Slots	
1 x LAN 10/100 Mbps Ethernet port	
1 x WAN 10/100 Mbps Ethernet port	
Reset Button	
1 x RS232 (9-pin Sub-D) Console	
2 x SMA connectors for detachable LTE antenna	
1 x RS485 (D+/D-)	
1 x RS232 (TXD/RXD)	
2 x DI, 1 x DO (Alarm +/-)	
LED Display	
1 x System status LED (Green)	
1 x VPN status LED (Green)	
1 x SIM1 status LED (Green)	
1 x SIM2 status LED (Green)	
Ethernet status LEDs (Green for LINK/ACT, Yellow for SPEED)	
2 x Mobile connection strength LEDs (Green)	
Software & Management	
Network Protocols	IPv4, IPv6, IPv4/IPv6 dual stack, DHCP server and client, PPPoE, Static IP, SNTP, GPS sync time, DNS Proxy, Modbus, VRRP, OSPF, Message Queue Telemetry Transport (MQTT Broker)
Routing/Firewall	NAT, Virtual Server, DMZ, MAC Filter, URL Filter, IP Filter, VLAN, Static Routing and RIP-1/2
VPN	OpenVPN, IPSec (3DES, AES128, AES196, AES256, MD5, SHA-1, SHA256)
Wireless Connectivity	Two SIM for failover/ roaming over/ back up Two SIM data usage control Seamless multi WAN connections switch
Others	DDNS, QoS, Virtual COM, UPnP
Alarms	DI, DO, SMS, VPN/WAN Disconnect, SNMP Trap, E-mail Management Software
Management tools	<ul style="list-style-type: none"> • Web GUI for remote and local management, CLI • Dual Image firmware upgrade by Web GUI • Syslog monitor, SNMP, TR069 • Remote management via SSH v2, HTTPS • Local management via Telnet, SSH v2, HTTP/HTTPS Environment