

Layer 2 Managed Switches



Powering your network to the Next Level

OVERVIEW

Elevate your network with the DuxNet Managed Layer 2 Switches. Designed to empower home offices and small to medium businesses, these switches effortlessly supply power and data to a wide range of devices, including access points, cameras, VoIP phones, smart lighting, PoE POS systems, access controls, and more.

MAIN FEATURES

- ✓ **PoE Power:** Seamlessly powers access points, cameras, VoIP phones, smart lighting, PoE POS systems, and access controls.
- ✓ **Scalability:** Stacking and link aggregation for increased capacity and redundancy.
- ✓ **Centralized Management:** Provides centralized control over connected devices, ensuring smooth operation and network security.
- ✓ **Security:** Port security, storm control, and IEEE 802.1x authentication for enhanced network protection.
- ✓ **Redundancy and Failover Support:** Supports Spanning Tree Protocol (STP), ensuring network resilience with minimal downtime in case of link failures.
- ✓ **Advanced Features:** Port mirroring, loop prevention, and other features for advanced network management.
- ✓ **Reliable Performance:** Provides consistent, high-speed connectivity suitable for basic networking tasks, ensuring reliable and steady performance.



Free
Telephonic
Support

Limited
Lifetime
Warranty

| | | | | | | |
|-------------------------------------|---|--|---|--|---|---|
| Model Name | DUX1510P | DUX2516 | DUX2516PA | DUX2524P | DUX2528P | DUX2528F |
| LAYER 2 MANAGED SWITCHES |  | |  |  |  |  |
| Product Description | 10-Port Layer 2 Gigabit PoE+ Switch with 2-Port SFP | 18-Port Layer 2 Gigabit Switch with 2 SFP | 18-Port Layer 2 Gigabit PoE+ Switch with 2-Port SFP | 26-Port Layer 2 Gigabit PoE+ Switch with 2-Port SFP | 28-Port Layer 2 Gigabit PoE+ Switch with 4-Port SFP | 28-port Combo Layer 2 Gigabit Switch |

| Port Configuration | | | | | | |
|-------------------------------|----|----|----|----|----|----|
| 10M/100M/1G RJ45 Ports | 8 | 16 | 16 | 24 | 24 | 16 |
| 1G Uplink Ports (RJ45 Shared) | - | - | - | - | 4 | - |
| 1G SFP Ports | 2 | 2 | 2 | 2 | 4 | 12 |
| Total Ports | 10 | 18 | 18 | 26 | 28 | 28 |

| PoE Function | | | | | | |
|-------------------------|------|---|------|------|------|---|
| IEEE802.3af (PoE 15.4W) | Y | - | Y | Y | Y | - |
| IEEE802.3at (PoE+ 30W) | Y | - | Y | Y | Y | - |
| UPoE(60W) | - | - | - | - | -- | - |
| PoE Port | 8 | - | 16 | 24 | 24 | - |
| Available PoE Power | 150W | - | 150W | 250W | 450W | - |

| HW Performance | | | | | | |
|---------------------|---------|---------|---------|---------|---------|---------|
| Switching Bandwidth | 20 Gbps | 36 Gbps | 36 Gbps | 52 Gbps | 52 Gbps | 56 Gbps |
| MAC Address | 8k | 8k | 8k | 8k | 8k | 8k |

| Environmental Specification | | | | | | |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Operating Temperature | 0°C to 40°C | 0°C to 40°C | 0°C to 40°C | 0°C to 40°C | -10°C to 45°C | -10°C to 45°C |
| Operating Humidity | 10% to 90% | 5% to 95% | 10% to 90% | 10% to 90% | 10% to 90% | 10% to 90% |
| Storage Temperature | -10°C to 70°C | -10°C to 70°C | -10°C to 70°C | -10°C to 70°C | -20°C to 70°C | -20°C to 70°C |
| Storage Humidity | 5% to 90% | 5% to 90% | 5% to 90% | 5% to 90% | 5% to 95% | 5% to 95% |

| Mechanical Specification | | | | | | |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Dimensions (H) x (W) x (D) mm | 44 x 180 x 285 | 44 x 200 x 440 | 44 x 180 x 440 | 44 x 180 x 440 | 44 x 285 x 440 | 44 x 220 x 440 |

| Power Source | | | | | | |
|---------------------|--------------|----------|--------------|--------------|--------------|--------------|
| AC Input / DC Input | 100-240V | 100-240V | 100-240V | 100-240V | 100-240V | 100-240V |
| Surge Protection | 6KV per port | - | 6KV per port | 6KV per port | 6KV per port | 6KV per port |

| AI Mode* | | | | | | |
|------------|---|---|---|---|---|---|
| AI Extend | Y | - | Y | Y | - | - |
| AI VLAN | Y | - | Y | Y | - | - |
| AI QoS | Y | - | Y | Y | - | - |
| AI PoE | Y | - | Y | Y | - | - |
| Port-Based | Y | - | Y | Y | - | - |

| L2 Switching | | | | | | |
|-------------------|---|---|---|---|------|------|
| Spanning Tree | Y | Y | Y | Y | Y | Y |
| VLAN | Y | Y | Y | Y | Y | Y |
| IEEE 802.3ad LACP | Y | Y | Y | Y | Y | Y |
| GARP/GVRP | Y | - | Y | Y | GVRP | GVRP |
| IGMP Snooping | Y | Y | Y | Y | Y | Y |
| MLD Snooping | Y | Y | Y | Y | Y | - |

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|------------|----------|---------|-----------|----------|----------|----------|
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LAYER 2 MANAGED SWITCHES



QoS Features

| | | | | | | | |
|---------------------------|-----------------|---|---|---|---|---|---|
| Class of Service | | Y | Y | Y | Y | Y | Y |
| Rate Limiting | Ingress | Y | - | Y | Y | Y | Y |
| | Egress | Y | - | Y | Y | Y | Y |
| Priority Queue Scheduling | WRR | Y | Y | Y | Y | Y | - |
| | Strict Priority | Y | - | Y | Y | Y | - |

Security

| | | | | | | | |
|------------------------------|--|---|---|---|---|---|---|
| ACLs | | Y | Y | Y | Y | Y | Y |
| Port Security (MAC Based) | | Y | Y | Y | Y | Y | - |
| IP Source Guard | | Y | Y | Y | Y | Y | - |
| Storm Control | | Y | Y | Y | Y | Y | Y |
| RADIUS Authentication 802.1x | | Y | Y | Y | Y | Y | Y |
| HTTPs and SSL (Secured Web) | | Y | Y | Y | Y | Y | Y |
| STP Root | | Y | Y | Y | Y | Y | Y |
| DHCP Snooping | | Y | Y | Y | Y | Y | Y |
| Loop Protection | | Y | Y | Y | Y | Y | Y |

Management

| | | | | | | | |
|----------------------|---------------|---|---|---|---|---|---|
| DHCP | Client | Y | Y | Y | Y | Y | Y |
| Event/Error Log | Syslog | Y | Y | Y | Y | Y | Y |
| | SMTP (RFC821) | - | - | - | - | - | - |
| Management Filtering | SNMP | Y | Y | Y | Y | Y | Y |
| | Web | Y | Y | Y | Y | Y | Y |
| | Telnet | Y | Y | Y | Y | Y | Y |
| | SSH | Y | Y | Y | Y | Y | Y |
| PoE Management | Scheduling | Y | - | Y | Y | Y | Y |
| | Auto-Checking | Y | Y | Y | Y | Y | Y |
| | Power Delay | Y | - | Y | Y | - | - |

* Each unit is equipped with 4 working Modes which include VLAN (Port Isolation), AI Extender (Increasing transmission distance up to 250m at 10mbps), AI PoE (Automatically restarts a device if no data passes through the port for a set time) and AI QoS (Priorities network bandwidth).