DUXNET

PRODUCT DATASHEET

Layer 3 Managed Switches



Experience Next-Level Network Performance and Management

OVERVIEW

DuxNet Layer 3 Managed Switches are sophisticated networking devices designed to provide advanced network management capabilities for any size modern business. These high-performance switches offer advanced routing capabilities, seamless network scalability, and enhanced security, making them the ideal solution for complex network environments.

MAIN FEATURES

- **Advanced Routing Capabilities:** Support for dynamic and static routing protocols, enabling efficient data transfer and network traffic management.
- **Advanced management:** DuxNet switches offer intuitive web-based management interfaces, allowing network administrators to easily configure, monitor, and troubleshoot their networks.
- **Security features:** Built-in security features such as access control lists (ACLs), quality of service (QoS), and port security help protect networks from unauthorized access and malicious attacks.
- **Scalability:** Easily scale your network with robust Layer 3 features that adapt to growing business needs and increased traffic loads.
- **Quality of Service (QoS):** Prioritize critical network traffic and ensure optimal performance for applications like VoIP and video conferencing.
- **High Availability:** Redundant power supplies and network interfaces to ensure continuous network uptime and reliability.
- **Reliable Performance:** Provides consistent, high-speed connectivity suitable for basic networking tasks, ensuring reliable and steady performance.

Model Name	DUX3528PX	DUX3552PX	DUX3536X
LAYER 3 MANAGED SWITCHES			
Product Description	28-Port Layer 3 Gigabit Switch with 24-port Gigabit PoE+ and 4 x 10GbE SFP + Ports	52-Port Layer 3 Gigabit Switch with 48-port Gigabit PoE+ and 4 x 10GbE SFP + Ports	36-Port Layer 3 Gigabit Switch with 24-port SFP, 8 x RJ-45 and 4 x 10GbE SFP + Ports
Chipset	Realtek	Realtek	Realtek
Port Configuration			
10M/100M/1G RJ45 Ports	24	48	8 (Shared)
1G SFP Ports	-	-	24 (Shared)
10GbE SFP+ Ports	4	4	4
Total Ports	28	52	36
PoE Function			
IEEE802.3af (PoE 15.4W)	Y	Y	-
IEEE802.3at (PoE+ 30W)	Y	Y	-
PoE Port	24	48	-
Available PoE Power	450W	450W	-
HW Performance			
Switching Bandwidth	128Gbps	176Gbps	128Gbps
MAC Address	16k	32k	16k
Environmental Specification			
Operating Temperature	0°C to 45°C	0°C to 45°C	0°C to 45°C
Operating Humidity	10% to 90%	10% to 90%	10% to 90%
Storage Temperature	-20°C to 70°C	-20°C to 70°C	-10°C to 70°C
Storage Humidity	5% to 90%	5% to 90%	5% to 90%
Mechanical Specification			
Dimensions (H) x (W) x (D) mm	44 x 285 x 440	44 x 360 x 440	44 x 220 x 440
Power Source			
AC Input / DC Input	100-240V	100-240V	Dual 100-240V
Surge Protection	6KV per port	6KV per port	6KV per port
L2 Switching			
Spanning Tree	IEEE802.1D (STP)	Y	Y	Y
	IEEE802.1W (RSTP)	Y	Y	Y
	IEEE802.1S (MSTP)	Y	Y	Y
VLAN	802.1Q VLAN	Y	Y	Y
	Port-Based	Y	Y	Y
	VLAN Entries	4K	4K	4K
	Private VLAN	Y	Y	Y
	Voice VLAN	Y	Y	Y
	Guest VLAN	-	-	-
	Q-in-Q	-	-	-
	802.1v Protocol VLAN	Y	Y	Y
	MAC-Based VLAN	Y	Y	Y
	IP Subnet-Based VLAN	Y	Y	Y
IEEE 802.3ad LACP	Dynamic Trunk	Y	Y	Y
	Static Trunk	Y	Y	Y

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L2 Switching				
GARP/GVRP		Y	Y	Y
IGMP Snooping		Y	Y	Y
MLD Snooping		Y	Y	Y
Multicast VLAN Registration (MVR)		-	-	-

L3 Features				
Support Layer 3 interface		Y	Y	Y
Support IPv4, IPv6 configuration		Y	Y	Y
Support ARP configuration		Y	Y	Y
Support ND configuration		Y	Y	Y
Route	RIP V1/V2	Y	Y	Y
	OSPFv1\OSPFv2 dynamic routing	Y	Y	Y
	Static Route	Y	Y	Y

QoS Features				
Class of Service	Port Based	Y	Y	Y
Rate Limiting	Ingress	Y	Y	Y
	Egress	Y	Y	Y
Priority Queue Scheduling	WRR	Y	Y	Y
	Strict Priority	Y	Y	Y
Hardware Queues		8	8	8

Security				
ACLs	L2/L3/L4	L2~L4	L2~L4	L2~L4
Port Security (MAC Based)		Y	Y	Y
IP Source Guard		Y	Y	Y
Storm Control		Y	Y	Y
RADIUS Authentication 802.1x		Y	Y	Y
HTTPs and SSL (Secured Web)		Y	Y	Y
BPDU Guard		Y	Y	Y
STP Root		Y	Y	Y
DHCP Snooping		Y	Y	Y
Loop Protection		Y	Y	Y

Management				
DHCP	Client	Y	Y	Y
Event/Error Log		Y	Y	Y
Management Filtering	SNMP	Y	Y	Y
	Web	Y	Y	Y
	Telnet	Y	Y	Y
	SSH	Y	Y	Y
PoE Management	Scheduling	Y	Y	Y
	Auto-Checking	Y	Y	Y
	Power Delay	Y	Y	Y

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Management			
SNMP (v1, v2c, v3)	Y	Y	Y
RMON (1,2,3 & 9 Groups)	Y	Y	Y
Software Upgrade	Y	Y	Y
Configuration Export/Import	Y	Y	Y
Port Mirroring	Y	Y	Y
LLDP (IEEE802.1AB)	Y	Y	Y
LLDP-MED (IEEE802.1AB)	Y	Y	Y
CDP Aware	-	-	-
sFlow	Y	Y	Y
IPv6 Management	Y	Y	Y
NTP	Y	Y	Y

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