DUXNET

PRODUCT DATASHEET

Switches

Elevate Your Network to the Next Level

OVERVIEW

DuxNet offers a comprehensive range of switches, ensuring there is a solution tailored to your specific networking requirements.

Designed to meet the evolving demands of businesses and home offices, our switches offer a scalable and cost-effective solution for expanding Ethernet connectivity. With support for Power-over-Ethernet (PoE), seamlessly integrate IP-based devices like cameras, phones, and access points.

Invest with confidence knowing your network is protected by our limited lifetime warranty. Our dedicated support team is always ready to assist you with any questions or issues, ensuring you have the peace of mind that comes with free telephonic support. Additionally, we are committed to minimizing our environmental impact, which is why our switches are packaged in eco-friendly materials.

MAIN FEATURES

- **Diverse Product Lineup:** From small home office switches to enterprise-grade models, our range caters for businesses of all sizes.
- **Scalability:** Easily expand your network as your needs grow with our modular and stackable options.
- **Performance:** Experience high-speed data transfer and minimal latency, ensuring optimal network performance.
- **Reliability:** Count on DuxNet switches for consistent, uninterrupted operation, even in demanding environments.
- **Cost-Effective:** Find the perfect balance of performance and affordability with our competitive pricing.
- **Future-proof Technology:** Stay ahead of the curve with switches designed to manage the demands of emerging networking trends.

GO GREEN ECO FRIENDLY WITH DUXBURY

Free Telephonic Support

Limited Lifetime Warranty

Model Name	DUX106GEP	DUX1010GEP	DUX1010GEPF
Unmanaged Eco Desktop Switches			
Product Description	6-Port Gigabit Switch with 4 Port PoE+	10-Port Gigabit Switch with 8 Port PoE+	10-Port Gigabit Switch with 8 Port PoE+ and 2 SFP Ports

Model Name	DUX106Gv2	DUX1010Gv2	DUX1012P	DUX1009XM
Unmanaged Desktop Switches				
Product Description	6-Port Gigabit Switch with 4 Port AI PoE+	10-Port Gigabit Switch with 8 Port AI PoE+	12-Port Gigabit Switch with 8 Port PoE+ and 2 SFP2/GbE Ports	9-Port Multi-Gigabit Switch with 8 Ports PoE++ and 1 SFP+ Port

Model Name	DUX1018P	DUX1024G
Unmanaged Rackmount Switches		
Product Description	18-Port Gigabit Switch with 16 Port PoE+ and 2 SFP Ports	26-Port Gigabit Switch with 24 Port PoE+ and 2 SFP Ports

Model Name	DUX108F2G	DUX108F2GD	DUX108F2GR
Unmanaged SFP Switches			
Product Description	10-Ports Gigabit Switch with 8 SFP Ports and 2 Uplink Ports	10-Ports Gigabit Switch with 8 SFP Ports and 2 Uplink Ports	10-Ports Gigabit Switch with 8 SFP Ports and 2 Uplink Ports

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

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

Model Name	DUX104GPS -2F-IS	DUX108GPS -2F-IS	DUX108GPS -4F-IS	DUX1016GPS -4F-IS
INDUSTRIAL SWITCHES				
Product Description	6-Port Gigabit Switch with 4 Port AI PoE+	10-Port Gigabit Switch with 8 Port AI PoE+	12-Port Gigabit Switch with 8 Port PoE+ and 2 SFP2/GbE Ports	10-Port Gigabit Switch with 8 SFP Ports and 2 Uplink Ports

Model Name	DUX106SPS5A	DUX106SPS5 _LED	DUX106SPS15A
SOLAR UNMANAGED SWITCHES			
Product Description	5 Port Gigabit Solar PoE Switch with 1-Port SFP	5 Port Gigabit Solar PoE Switch with 1-Port SFP	5 Port Gigabit Solar PoE Switch with 1-Port SFP

Model Name	DUX118SPS
SOLAR MANAGED SWITCHES	
Product Description	8 Port Gigabit Solar PoE Switch with 2-Port SFP

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PRODUCT DATASHEET

Unmanaged Switches

Next-Level Ease of Use



OVERVIEW

The DuxNet Unmanaged Switches deliver a next-level, seamless, and cost-effective solution for expanding Ethernet ports within any network environment. Designed to meet the demands of growing IP-based technologies, including innovative security systems, these switches empower users to optimise their network infrastructure effortlessly.

MAIN FEATURES

- **Effortless Expansion:** Easily add more Ethernet ports to your network, connecting multiple devices without compromising performance.
- **Plug-and-Play Simplicity:** No configuration is required, making them easy to install and operate, perfect for non-technical users or quick deployments.
- **Cost-Effective:** Lower price point compared to managed switches, ideal for smaller networks or budget-conscious environments.
- **Reliable Performance:** Provides consistent, high-speed connectivity suitable for basic networking tasks, ensuring reliable and steady performance.
- **Maintenance-Free Operation:** With no need for software updates or manual configuration, unmanaged switches require minimal upkeep, offering a hands-off network solution.

GO GREEN ECO FRIENDLY WITH DUXBURY

Free Telephonic Support

Limited Lifetime Warranty

Model Name	DUX106GEP	DUX1010GEP	DUX1010GEPF
Eco Desktop Switches			
Product Description	6-Port Gigabit Switch with 4 Port PoE+	10-Port Gigabit Switch with 8 Port PoE+	10-Port Gigabit Switch with 8 Port PoE+ and 2 SFP Ports
Port Configuration			
10M/100M/1G RJ45 Ports	4	8	8
10M/100M/1G/2.5G RJ45 Ports	-	-	-
1G Uplink Ports (RJ45)	2	2	-
1G SFP Ports	-	-	2
10G SFP+ Ports	-	-	-
Total Ports	6	10	10
PoE Function			
IEEE802.3af (PoE 15.4W)	Y	Y	Y
IEEE802.3at (PoE+ 30W)	Y	Y	Y
UPoE(60W)	-	-	-
UPoE(90W)	-	-	-
PoE Port	4	8	8
PoE Display	-	-	-
Available PoE Power	65W	96W	150W
HW Performance			
Switching Bandwidth	12 Gbps	20 Gbps	20 Gbps
MAC Address	2k	2k	4k
Environmental Specification			
Operating Temperature	0°C to 45°C	0°C to 45°C	0°C to 45°C
Operating Humidity	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing
Storage Temperature	-10°C to 70°C	-10°C to 70°C	-20°C to 70°C
Storage Humidity	5% to 90% non-condensing	5% to 90% non-condensing	5% to 90% non-condensing
Mechanical Specification			
Dimensions (H) x (W) x (D) mm	44 x 133 x 200	44 x 133 x 200	44 x 181x 270
Rackmount	-	-	-
Power Source			
AC Input / DC Input	100-240V	100-240V	100-240V
Surge Protection	6KV per port	6KV per port	6KV per port
AI Mode			
AI Extend	Y	Y	Y
AI VLAN	Y	Y	Y
AI QoS	-	-	-
AI PoE	-	-	-
Port-Based	Y	Y	Y

Model Name	DUX106Gv2	DUX1010Gv2	DUX1012P	DUX1009XM
Desktop Switches				
Product Description	6-Port Gigabit Switch with 4 Port AI PoE+	10-Port Gigabit Switch with 8 Port AI PoE+	12-Port Gigabit Switch with 8 Port PoE+ and 2 SFP2/GbE Ports	9-Port Multi-Gigabit Switch with 8 Ports PoE++ and 1 SFP+ Port
Port Configuration				
10M/100M/1G RJ45 Ports	4	8	8	-
10M/100M/1G/2.5G RJ45 Ports	-	-	-	8
1G Uplink Ports (RJ45)	2	2	2	-
1G SFP Ports	-	-	2	-
10G SFP+ Ports	-	-	-	1
Total Ports	6	10	12	9
PoE Function				
IEEE802.3af (PoE 15.4W)	Y	Y	Y	Y
IEEE802.3at (PoE+ 30W)	Y	Y	Y	Y
UPoE(60W)	-	-	-	Y
UPoE(90W)	-	-	-	First 4
PoE Port	4	8	8	8
PoE Display	Y	Y	Y	-
Available PoE Power	65W	96W	120W	150W
HW Performance				
Switching Bandwidth	12 Gbps	20 Gbps	20 Gbps	60Gbps
MAC Address	2k	2k	2k	4K
Environmental Specification				
Operating Temperature	0°C to 40°C	0°C to 40°C	0°C to 45°C	0°C to 40°C
Operating Humidity	10% to 90%	10% to 90%	10% to 90%	10% to 90%
Storage Temperature	-10°C to 70°C	-10°C to 70°C	-20°C to 70°C	-40°C to 70°C
Storage Humidity	5% to 90%	5% to 90%	5% to 95%	5% to 90%
Mechanical Specification				
Dimensions (H) x (W) x (D) mm	27 x 75 x 125	27 x 94 x 184	44 x 182 x 270	44 x 180 x 282
Rackmount	-	-	-	-
Power Source				
AC Input / DC Input	100-240V	100-240V	100-240V	100-240V
Surge Protection	6KV per port	6KV per port	6KV per port	6KV per port
AI Mode*				
AI Extend	Y	Y	Y	Y
AI VLAN	Y	Y	Y	Y
AI QoS	-	-	-	Y
AI PoE	-	-	-	Y
Port-Based	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).

Model Name	DUX1018P	DUX1024G
Rackmount Switches		
Product Description	18-Port Gigabit Switch with 16 Port PoE+ and 2 SFP Ports	26-Port Gigabit Switch with 24 Port PoE+ and 2 SFP Ports
Port Configuration		
10M/100M/1G RJ45 Ports	16	24
10M/100M/1G/2.5G RJ45 Ports	-	-
1G Uplink Ports (RJ45)	-	-
1G SFP Ports	2	2
10G SFP+ Ports	-	-
Total Ports	18	26
PoE Function		
IEEE802.3af (PoE 15.4W)	Y	Y
IEEE802.3at (PoE+ 30W)	Y	Y
UPoE(60W)	-	-
UPoE(90W)	-	-
PoE Port	16	24
PoE Display	Y	-
Available PoE Power	150W	200W
HW Performance		
Switching Bandwidth	36Gbps	52Gbps
MAC Address	8K	8K
Environmental Specification		
Operating Temperature	0°C to 40°C	0°C to 40°C
Operating Humidity	10% to 90%	10% to 90%
Storage Temperature	-40°C to 70°C	-40°C to 70°C
Storage Humidity	5% to 90%	5% to 90%
Mechanical Specification		
Dimensions (H) x (W) x (D) mm	44 x 220 x 440	44 x 180 x 440
Rackmount	Y	Y
Power Source		
AC Input / DC Input	100-240V	100-240V
Surge Protection	6KV per port	6KV per port
AI Mode*		
AI Extend	-	Y
AI VLAN	-	Y
AI QoS	-	Y
AI PoE	-	Y
Port-Based	-	-

* 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).

Model Name	DUX108F2G	DUX108F2GD	DUX108F2GR
SFP Switches			
Product Description	10-Ports Gigabit Switch with 8 SFP Ports and 2 Uplink Ports	10-Ports Gigabit Switch with 8 SFP Ports and 2 Uplink Ports	10-Ports Gigabit Switch with 8 SFP Ports and 2 Uplink Ports
Port Configuration			
10M/100M/1G RJ45 Ports	-	-	-
10M/100M/1G/2.5G RJ45 Ports	-	-	-
1G Uplink Ports (RJ45)	2	2	2
1G SFP Ports	8	8	8
10G SFP+ Ports	-	-	-
Total Ports	10	10	10
PoE Function			
IEEE802.3af (PoE 15.4W)	-	-	-
IEEE802.3at (PoE+ 30W)	-	-	-
UPoE(60W)	-	-	-
UPoE(90W)	-	-	-
PoE Port	-	-	-
PoE Display	-	-	-
Available PoE Power	-	-	-
HW Performance			
Switching Bandwidth	20Gbps	32Gbps	32Gbps
MAC Address	8K	8K	8K
Environmental Specification			
Operating Temperature	0°C to 45°C	-10°C to 55°C	-10°C to 55°C
Operating Humidity	10% to 90% non-condensing	5% to 90% non-condensing	5% to 90% non-condensing
Storage Temperature	-20°C to 70°C	-40°C to 75°C	-40°C to 75°C
Storage Humidity	5% to 95% non-condensing	5% to 95% non-condensing	5% to 95% non-condensing
Mechanical Specification			
Dimensions (H) x (W) x (D) mm	44 x 182 x 270	35 x 105 x 225	45 x 193 x 333
Rackmount	-	-	Y
Power Source			
AC Input / DC Input	100-240V	DC 12V/2A	100-240V
Surge Protection	6KV	3KV 8/20us; IP30	6KV 8/20us; IP30

DUXNET

PRODUCT DATASHEET

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.

GO GREEN ECO FRIENDLY WITH DUXBURY

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	-

Model Name		DUX1510P	DUX2516	DUX2516PA	DUX2524P	DUX2528P	DUX2528F
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).

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.

GO GREEN ECO FRIENDLY WITH DUXBURY

Free Telephonic Support

Limited Lifetime Warranty

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

Model Name	DUX3528PX	DUX3552PX	DUX3536X

LAYER 3 MANAGED SWITCHES





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

Model Name	DUX3528PX	DUX3552PX	DUX3536X
LAYER 3 MANAGED SWITCHES			
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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PRODUCT DATASHEET

Industrial Switches



Next-Level Ruggedness. Next-Level Affordability.

OVERVIEW

Designed to thrive in demanding industrial environments, DuxNet Industrial Switches offer more than basic connectivity. Their rugged construction withstands extreme temperatures, vibrations, and electromagnetic interference, ensuring uninterrupted operation in even the harshest conditions. With built-in support for essential industrial protocols and advanced security features, these switches deliver reliable and secure network performance. Plus, our limited lifetime warranty provides unparalleled peace of mind, knowing your critical industrial networks are protected for the long haul.

MAIN FEATURES

- **Industrial-Grade Durability:** Built with a ruggedized enclosure to withstand extreme temperatures, vibrations, and electromagnetic interference in demanding industrial environments.
- **Managed Capabilities:** Offers advanced management features for network optimization, including VLAN support, QoS, and SNMP, to ensure efficient and secure network operation.
- **Industrial Protocol Support:** Compatible with essential industrial protocols for seamless integration into existing systems.
- **Comprehensive Security:** Includes robust security features such as network access control, port security, and secure management interfaces to protect against unauthorized access and cyber threats.
- **Gigabit Speed:** Provides high-speed Gigabit Ethernet connectivity for fast data transfer and efficient network performance.
- **Power over Ethernet (PoE):** Supports PoE functionality, allowing the switch to deliver power and data over a single Ethernet cable to connected devices such as IP cameras, access points, and VoIP phones.

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Free Telephonic Support

Limited Lifetime Warranty

Model Name	DUX104GPS-2F-IS	DUX108GPS-2F-IS	DUX108GPS-4F-IS	DUX1016GPS-4F-IS
INDUSTRIAL SWITCHES				
Product Description	6-port Gigabit managed industrial PoE switch	10-port Gigabit-managed industrial PoE switch	12-port Gigabit-managed industrial PoE switch	20-port Gigabit-managed industrial PoE switch
Port Configuration				
10M/100M/1G RJ45 Ports	4	8	8	16
1G Uplink Ports (RJ45)	-	-	-	-
1G SFP Ports	2	2	4	4
Total Ports	6	10	12	20
PoE Function				
IEEE802.3af (PoE 15.4W)	Y	Y	Y	Y
IEEE802.3at (PoE+ 30W)	Y (46W)	Y (46W)	Y	Y
UPoE(60W)	-	-	-	-
PoE Port	4	8	8	16
Available PoE Power	60W ~ 96W	96W ~ 150W	96W ~ 150W	400W
Installation				
Mounting	DIN Rail	DIN Rail	DIN Rail	DIN Rail
HW Performance				
Switching Bandwidth	12 Gbps	24 Gbps	24 Gbps	40Gbps
MAC Address	8K	8K	8K	8K
Environmental Specification				
Operating Temperature	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C
Operating Humidity	-5% to 95%	-5% to 95%	-5% to 95%	-5% to 95%
Storage Temperature	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C
Storage Humidity	-5% to 95%	-5% to 95%	-5% to 95%	-5% to 95%
Mechanical Specification				
Dimensions (H) x (W) x (D) mm	110 x 46.5 x 163	110 x 46.5 x 163	110 x 46.5 x 163	78.5 x 130 x 164
Weight	0.5kg	1.0Kg	1.0Kg	1.0Kg
Power Source				
AC/DC Input	48-56 VDC	48-56 VDC	48-56 VDC	48-56 VDC
Input Method	Plug-in 5-core 5.08mm pitch terminal block	Plug-in 5-core 5.08mm pitch terminal block	Plug-in 5-core 5.08mm pitch terminal block	Plug-in 5-core 5.08mm pitch terminal block
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
Specifications				
Hardware Watchdog	Y	Y	-	Y
Traffic Statistics	Y	Y	-	Y
Port Energy Saving	Y	Y	Y	Y

Model Name		DUX104GPS-2F-IS	DUX108GPS-2F-IS	DUX108GPS-4F-IS	DUX1016GPS-4F-IS
Hardware Standard					
IP40 Level Protection		Y	Y	Y	Y
EMI	FCC CFR47 Part 15	Y	Y	Y	Y
	EN55022/CISPR22	Y	Y	Y	Y
	Class A	Y	Y	Y	Y
EMS	IEC61000-4-2 (ESD)	±8kV (contact), ±15kV (air)	±8kV (contact), ±15kV (air)	±8kV (contact), ±15kV (air)	±8kV (contact), ±15kV (air)
	IEC61000-4-3 (RS)	10V/m (80MHz-2GHz)	10V/m (80MHz-2GHz)	10V/m (80MHz-2GHz)	10V/m (80MHz-2GHz)
	IEC61000-4-4 (EFT)	Power Port: ±4kV; Data Port: ±2kV	Power Port: ±4kV; Data Port: ±2kV	Power Port: ±4kV; Data Port: ±2kV	Power Port: ±4kV; Data Port: ±2kV
	IEC61000-4-5 (Surge)	Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±6kV	Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±6kV	Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±6kV	Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±6kV
Mechanical Properties					
	IEC60068-2-6 (Vibration)	Y	Y	Y	Y
	IEC60068-2-27 (Shock)	Y	Y	Y	Y
	IEC60068-2-32 (Free Fall)	Y	Y	Y	Y
Features					
DHCP	DHCP Relay	Y	Y	Y	Y
	DHCP Snooping	Y	Y	Y	Y
VLAN	VLAN Entries	4K	4K	4K	4K
	802.1Q VLAN	Y	Y	Y	Y
	MAC-Based VLAN	Y	Y	Y	Y
	IP Subnet-Based VLAN	Y	Y	Y	Y
	Voice VLAN	Y	Y	Y	Y
GARP/GVRP		Y	Y	Y	Y
MAC Address Table	IEEE 802.1d	Y	Y	Y	Y
	Auto Learning/Aging	Y	Y	Y	Y
	Static	Y	Y	Y	Y
	Dynamic	Y	Y	Y	Y
	Filtering	Y	Y	Y	Y
RUN-Ring		Y	Y	Y	Y
	Self-Healing Time	10ms	10ms	10ms	10ms
	Public ERPS	Y	Y	Y	Y
Spanning Tree	IEEE802.1D (STP)	Y	Y	Y	Y
	IEEE802.1W (RSTP)	Y	Y	Y	Y
	IEEE802.1S (MSTP)	Y	Y	Y	Y
	Loop Protection	Y	Y	Y	Y
	Root Bridge Protection	Y	Y	Y	Y
	TC Protection	Y	Y	Y	Y
	BPDU Protection	Y	Y	Y	Y
	BPDU Filtering	Y	Y	Y	Y
IGMP v1/v2		Y	Y	Y	Y
Fast Leave		Y	Y	Y	Y
Multicast VLAN		Y	Y	Y	Y
Multicast Filtering		Y	Y	Y	Y
Packet Statistics		Y	Y	Y	Y
Unknown Multicast Discards		Y	Y	Y	Y
Storm Suppression	Multicast	Y	Y	Y	Y
	Broadcast	Y	Y	Y	Y
	Unknown Unicast Suppression	Y	Y	Y	Y

Model Name		DUX104GPS-2F-IS	DUX108GPS-2F-IS	DUX108GPS-4F-IS	DUX1016GPS-4F-IS
Features					
Link Aggregation	Static Aggregation	Y	Y	Y	Y
	Dynamic Aggregation	Y	Y	Y	Y
	IP	Y	Y	Y	Y
	MAC-Based VLAN	Y	Y	Y	Y
	Hybrid Load Balancing	Y	Y	Y	Y
IPv6 Management	IPv6 Ping	Y	Y	Y	Y
	IPv6 Tracert	Y	Y	Y	Y
	IPv6 Telnet	Y	Y	Y	Y
	IPv6 SSH	Y	Y	Y	Y
	IPv6 SSL	Y	Y	Y	Y
Safety Features					
Password Protection		Y	Y	Y	Y
User Access based on:	Port Number	Y	Y	Y	Y
	IP Address	Y	Y	Y	Y
	MAC Address	Y	Y	Y	Y
Encryption	HTTPS	Y	Y	Y	Y
	SSL	Y	Y	Y	Y
	TLS V1	Y	Y	Y	Y
	SSH V1/V2	Y	Y	Y	Y
RADIUS Authentication 802.1x		Y	Y	Y	Y
Management and Maintenance					
Web Management	HTTP	Y	Y	Y	Y
	HTTPS	Y	Y	Y	Y
	SSL v3	Y	Y	Y	Y
CLI	Telnet	Y	Y	Y	Y
	SSH V1/V2	Y	Y	Y	Y
	Local Serial Port	Y	Y	Y	Y
SNMP	V1/V2/V3	Y	Y	Y	Y
LLDP		Y	Y	Y	Y
RMON		Y	Y	Y	Y
ARP Protection		Y	Y	Y	Y
IP Source Protection		Y	Y	Y	Y
DoS Protection		Y	Y	Y	Y
CPU Monitoring		Y	Y	Y	Y
Memory Monitoring		Y	Y	Y	Y
System Log		Y	Y	Y	Y
Grading Warning		Y	Y	Y	Y
Ping		Y	Y	Y	Y
Tracert Detection		Y	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).

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DUXNET

PRODUCT DATASHEET

SOLAR SWITCHES



Harnessing the power of the sun for Next-Level network reliability

OVERVIEW

The DuxNet Solar Switches provide reliable and efficient network connectivity in environments where traditional power sources may be limited or unavailable. These switches combine the benefits of Gigabit Ethernet, fibre connectivity, solar power, and Power-over-Ethernet (PoE) into a compact and durable package. Unmanaged and Managed options available with LED display on specific models.

MAIN FEATURES

- **High-Speed Connectivity:** Five Gigabit Ethernet ports ensure fast and dependable data transfer for various devices.
- **Fibre Flexibility:** The SFP port allows for longer-distance connections using fibre optic cables, making it suitable for applications that require extended reach.
- **Solar Power Independence:** The solar power capability eliminates the need for external power sources, providing flexibility and sustainability in remote or off-grid locations.
- **Power-over-Ethernet (PoE):** PoE reduces the need for additional power outlets by supplying power to connected devices directly through the Ethernet cable.
- **Rugged Design:** The compact and durable design makes these switches suitable for outdoor installations and harsh environments.
- **Plug-and-Play Simplicity: The easy setup process requires no software** installation or configuration, making deployment quick and straightforward.

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SOLAR UNMANAGED SWITCHES

Model Name	DUX106SPS5A	DUX106SPS5A_LED	DUX106SPS15A
			
Product Description	5 Port Gigabit Solar PoE Switch with 1-Port SFP	5 Port Gigabit Solar PoE Switch with 1-Port SFP	5 Port Gigabit Solar PoE Switch with 1-Port SFP
Port Configuration			
10M/100M/1G RJ45 Ports	5	5	5
1G Uplink Ports	-	-	-
1G SFP Ports	1	1	1
Total Ports	6	6	6
PoE Function			
IEEE802.3at (PoE+ 30W)	2	2	2
IEEE802.3af (PoE 15.4W)	2	2	2
UPoE(60W)	1	1	1
PoE Port	5	5	5
Adaptive PoE	24V/48V on port 4/5	24V/48V on port 4/5	24V/48V on port 4/5
PoE Display	-	Y	-
Available PoE Power	75W	75W	75W
HW Performance			
Switching Bandwidth	12Gbps	12Gbps	12Gbps
MAC Address	2K	2K	2K
Environmental Specification			
Operating Temperature	-20°C to 65°C	-20°C to 65°C	-20°C to 65°C
Operating Humidity	10% to 90%	10% to 90%	10% to 90%
Storage Temperature	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C
Storage Humidity	5% to 90%	5% to 90%	5% to 90%
Mechanical Specification			
Dimensions (H) x (W) x (D) mm	35 x 142 x 160	35 x 142 x 160	35 x 142 x 160
Power Source			
AC Input / DC Input	12V/24V Solar or Battery	12V/24V Solar or Battery	12V/24V Solar or Battery
Solar Panel Input	Max 400W	Max 400W	Max 800W
Battery	12V or 24V Lead-Acid / Lithium (MAX 50AH)	12V or 24V Lead-Acid / Lithium (MAX 50AH)	12V or 24V Lead-Acid / Lithium (MAX 500AH)
AI Mode			
AI Extend	-	-	-
AI VLAN	-	-	-
AI QoS	-	-	-
PoE Watchdog	Y	Y	Y
Port-Based	-	-	-

Model Name	DUX106SPS5A	DUX106SPS5A_LED	DUX106SPS15A
SOLAR UNMANAGED SWITCHES			
Charging Function			
Integrated fully automatic charging	Y	Y	Y
Integrated battery protection function	Y	Y	Y
Automatic Battery Voltage Recognition	Y	Y	Y
Integrated Lithium Battery Automatic Activation System	Y	Y	Y
Integrated Low Volume Start-up Protection System	Y	Y	Y
QoS Features			
Class of Service	-	-	-
Rate Limiting — Ingress	-	-	-
Rate Limiting — Egress	-	-	-
Priority Queue Scheduling — WRR	-	-	-
Priority Queue Scheduling — Strict Priority	-	-	-

Model Name	DUX118SPS

SOLAR MANAGED SWITCHES



Product Description	8 Port Gigabit Solar PoE Switch with 2-Port SFP

Port Configuration	
10M/100M/1G RJ45 Ports	8
1G Uplink Ports	-
1G SFP Ports	2
Total Ports	10

PoE Function		
IEEE802.3at (PoE+ 30W)		8
IEEE802.3af (PoE 15.4W)		8
UPoE(60W)		1
PoE Port		8
Adaptive PoE		24V/48V on all ports
Available PoE Power		280W
Power Pin	48V power supply	12+36-
	24V power supply	45+78-

HW Performance	
Switching Bandwidth	56Gbps
MAC Address	8K
Packet Forwarding	40.32Mbps
Buffer	4.1M

Environmental Specification	
Operating Temperature	-10°C to 55°C
Operating Humidity	10% to 90% non-condensing
Storage Temperature	-40°C to 70°C
Storage Humidity	5% to 90% non-condensing

Mechanical Specification	
Dimensions (H) x (W) x (D) mm	330 x 190 x 45

Power Source	
AC Input	AC 100-240V 50/60Hz 4.0A
DC Input	24V solar input(≤44V)
Solar Panel Input	Max 800W
Battery	Support 24V(12V*2)
Battery Input	Capacity MAX 24V 100AH

Charging Function	
Integrated fully automatic charging	Y
Integrated battery protection function	Y
Automatic Battery Voltage Recognition	Y
Integrated Lithium Battery Automatic Activation System	Y
Integrated Low Volume Start-up Protection System	Y

Model Name	DUX118SPS

SOLAR MANAGED SWITCHES



L2 Switching	
Spanning Tree, VLAN, QoS	Y
RSTP/MSTP, MLD Snooping, EAPS/EPPS	Y
Link Aggregation, Port Flow Control, Port Isolation	Y
Loop Guard, Port Mirror, Storm Suppression	Y

Network Management	
WEB NMS, CLI management based on Telnet, TFTIP,	Y
Console, SNMP V1/V2/V3	Y
RMON V1/V2, RMON Management	Y