



NRS-ME8T2

(8-Port 10/100/1000M L2 Managed PoE+ Switch)

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Introduction

The NRS-ME8T2 8-port gigabit Layer-2 managed Power-over-Ethernet switch (PoE+ Switch) is a Green Energy-Saving PoE +Switch developed for Niveo Business Systems using a high-quality, high-speed network Chipset and the most stable PoE chip.

The PoE ports support both 802.3af and 802.3at standards. The PoE power ports can automatically detect and power devices that comply with the IEEE802.3af or IEEE802.3at standards.

This switch offers fully unblocked Gigabit (10/100/1000M) Ethernet on all ports. The Layer 2 management platform provides a great value management over the network and is designed to be deployed in a wide variety of application, ranging from Security network video surveillance, hotel, campus, to small and medium-sized enterprise networks.

Specifications

Interface		
10 Base-T/100 Base-TX/1000 Base-T RJ45 Ports		8
100/1000Base-SX/LX SFP Port		2
Console Port for CLI Management		1
System Performance		
Packet Buffer		4Mbits
MAC Address Table Size		8K
Switching Capacity		20Gbps
Forwarding Rate		14.88Mpps
Flash		16M
RAM		1G
Transfer Mode		Store and forward
MTBF		100000 hours
PoE Features		
IEEE 802.3 af/at		IEEE 802.3 af/at
Max. PoE Budget		150W
PoE configuration		•
PoE scheduling management		•
L2 Features		
Auto MDI/MDIX		•
Port Management	Flow Control (duplex)	•
	Enable/Disable Port	•
	Speed, Duplex, MTU Setting	•
	Port Information Check	•
	Port Mirroring, Port Speed Limit, Port Isolation	•
Spanning Tree	IEEE 802.1D (STP)	•
	IEEE 802.1w (RSTP)	•
	IEEE 802.1s (MSTP)	•
Storm Suppression		•
VLAN	Access	•
	Trunk	•
	Hybrid	•
	Protocol	•
	MAC Based VLAN partitioning	•
	GVRP dynamic VLAN registration	•
	Port-based	•
Voice VLAN	•	



Link Aggregation	IEEE 802.3ad with LACP	•
	Static Trunk	•
MAC	Support static addition, deletion	•
	MAC address learning limit	•
	Support dynamic aging time setting	•
Storm Control (Broadcast/Multi-cast/Un-known Unicast)		•
Multicast	IGMP-snooping	•
	MLD-Snooping	•
	V1/v2/v3 dynamic multicast monitor	•
DDM		SFP/SFP+DDM
Extended Functions		
ACL	Based on source MAC	•
	Destination MAC	•
	Protocol Type	•
	Source IP	•
	Destination IP	•
	L4 port	•
Qos	IEEE 802.1p (COS)	•
	DSCP	•
	Classification based on source IP, destination IP and port number	•
	SP, WRR scheduling strategy	•
	Flow rate limit CAR	•
LLDP	LLDP link discovery protocol	•
User setting	Add/delete users	•
Log	User login	•
	Operation	•
	Status	•
	Events	•
Anti-Attack	DOS defense	•
	Support CPU protection and limits the rate of sending cpu packets	•
	ARP binding (IP, MAC, PORT binding)	•
IEEE 802.1x port authentication		•
AAA certification		•
Network diagnosis	Support ping	•
	Telnet	•
	Trace	•
System Management	Device reset	•
	Configuration save/restore	•
	Upgrade management	•
	Time setting	•
Management function		
CLI (serial port command line management)		•
SSH (SSHv1/2 remote management)		•
TELNET (telnet remote management)		•
WEB (layer 2 setting, Layer 2 and Layer 3 monitor)		•
SNMP (ColdStart, WarmStart, LinkDown, LinkUp)		•
SNMP (v1/v2c/v3)		•
RMON		RMON v1
Other functions	DHCP Snooping	•
	Ring-Network Protection	•
	Dynamic ARP detection	•
	TACACS+ certification	•
	DNS certification	•
	Port security setting	•
	MVR protocol	•
	Cable detection VCT function	•
UDLD protocol	•	
Mechanical		
Power Input		100~240VAC
Dimension (H*W*D)		270*180*45 mm
Operating Temperature		-20~50°C
Storage Temperature		-40~75°C
Operating Humidity		5~90% (non-condensing)
Weight		1.2 KG
Certification		CE, FCC, RoHS



Standard		
IEEE 802.3 – 10Base-T		•
IEEE 802.3u – 100Base-TX		•
IEEE 802.3ab – 1000Base-T		•
IEEE 802.3z – 1000 Base-SX/LX		•
IEEE 802.3af – Power over Ethernet (PoE)		•
IEEE 802.3at – Power over Ethernet (PoE+)		•
IEEE 802.1D – Spanning Tree		•
IEEE 802.1w – Rapid Spanning Tree		•
IEEE 802.1s – Multiple Spanning Tree		•
IEEE 802.3x – Flow Control		•
Industry Standard	EMI	FCC Part 15 CISPR (EN55032) Class A
	EMS	EN61000-4-2 (ESD) EN61000-4-4 (EFT)
	Shock	IEC 60068-2-27
	Free Fall	IEC 60068-2-32
	Vibration	IEC 60068-2-6
IEEE 802.3ad – Link Aggregation Control Protocol (LACP)		•
IEEE 802.1AB – LLDP (Link Layer Discovery Protocol)		•
IEEE 802.1X – Access Control		•
IEEE 802.1p – CoS		•