Niveo Professional NR-10

4 Gigabit PSE LAN Port + 1 Gigabit PD WAN PoE+Port NAT Router

- 4 Gigabit LAN PSE ports & 1 Gigabit WAN PD port PoE+ Gateway
- 1 Gigabit WAN PD Port that allows NR-10 acquiring power from a PSE.
- 4 Gigabit LAN PSE Ports that support IEEE 802.3af/at PoE, providing up to 30W per port
- Supports IEEE 802.3az EEE (Energy Efficient Ethernet), save power while network traffic isn't busy
- Supports voice VLAN
- Management features such as Max/Min Bandwidth Control, QoS, Broadcast/Multicast/Unknown Frames Storm Control

Introduction

The NR-10is a 4 Gigabit PSE (Power Source Equipment) LAN ports & 1 Gigabit (Powered Device) WAN port PoE+ NAT router that is designed for small or medium network environment. The compact size of the product makes it the ideal router where space is limited.

IEEE 802.3at Power over Ethernet (PoE) PSE & PD Ports

The NR-10 features 4-port PoE+ IEEE 802.3at supplying up to 30 watts per port. This product can convert standard 100~240V/AC power into low-voltage DC that runs over existing LAN cable to power up IEEE 802.3at compliant network accessories. By adding a NR-10 to an existing network, installing networking products such as Access Points and IP cameras can be easily managed and set up. Wireless device deployments are easily located with available power outlets and network administrators don't need to use heavy AC power adapters anymore.

When connected with a PSE to its PD WAN port, the NR-10can be powered without its external power adaptor, therefore eliminating the need to find a power outlet for the router.

Energy Efficient Ethernet

Ethernet is the most ubiquitous networking interface in the world; virtually all network traffic passes over multiple Ethernet links. However, the majority of Ethernet links are idle most of the time idle, waiting for packets of data, but consuming power at a near constant level. Energy Efficient Ethernet (EEE) provides a mechanism and a standard for reducing this energy usage without compromising its vital functionality.

Product Specification

Interface	
10M/100M/1000M RJ45 PSE LAN Ports	4
10M/100M/1000M RJ45 PD WAN Ports	1
System Capacity & Performance	
Processor	880 MHz, Dual-Core
L2 Cache	256 KB L2 Cache shared by Dual-Core
Key Software Features		

Key Software Features		
Hardware NAT	Wired Speed	2Gbps
	L2 bridge	*
	IPv4 routing, NAT, NAPT	*
	IPv6 routing, DS-Lite, 6RD, 6to4	*
Accessible MAC Address Table Size		2K MAC entries with auto aging & learning capabilities
VLAN Features	VLAN Entries	4K
	VLAN Tag/Untag per Port	*
	Double Tagging VLAN	*
QoS Features	Priority Queues	8 Priority Queues per Port
	SP (Strict-Priority), WFQ (Weighted Fair Queue), and SP+WFQ latency scheduler	*
	Max/Min Bandwidth Scheduler	*
	☐ Ingress/Egress Rate Control	*
ACL Rules		Up to 64 ACL Rules
IPv4 and IPv6 multicast frames hardware forwarding		*
Broadcast/Multicast/Unknown Frames Storm Control		*
Jumbo Frame		9K

PoE	
IEEE 802.3 af/at	IEEE 802.3 af/at
Number of PSE LAN Ports	4
PD WAN Port	PD WAN Port
Mechanical	
Power Input	External Power Adaptor or powered by PD WAN Port
LED	Power, PoE In/Out, Link/Act
Button	Reset Button
Operating Temperature	0°C to 40°C
Operating Humidity	90% (non-condensing)
Certification	CE, FCC, UL

Standard	
IEEE 802.3 – 10BaseT	*
IEEE 802.3u - 100BaseTX	*
IEEE 802.3ab - 1000BaseT	*
IEEE 802.3af Power over Ethernet (PoE)	*
IEEE 802.3at Power over Ethernet (PoE+)	*
IEEE 802.3az - Energy Efficient Ethernet (EEE)	*
IEEE 802.3x - Flow Control	*
IEEE 802.1Q – VLAN	*
IEEE802.1v - Protocol VLAN	*
IEEE 802.1p - Class of Service	*
IEEE 802.1X - Access Control	*

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