

10G Aggregation Ethernet Switch TN4810M-DN / TX4810-DN



Product Overview

TN4810M-DN / TX4810-DN are high performance and open source community supported Ethernet switches hardware platform, which is a DENT (Disaggregated Enterprise NeTwork) complied Switch. They have forty-eight 10GbE SFP+ ports that support high-density enterprise network aggregation, remote office, distributed enterprise, and retail store applications with 5G/IoT/AI technologies. TN4810M-DN / TX4810-DN could provide comprehensive support on layer-2 and layer-3 features, including SNMP, Spanning Tree, VLAN, QinQ, Trunk, QoS, RIP, OSPF, IGMP, Access Control, etc

- 960Gbps full-duplex switching capacity
- 48 x 10GbE SFP+
- Support Jumbo Frame up to 9KB
- Automatic address learning support packet forwarding table up to 32K/256K MAC addresses
- Hot-swappable Redundant PSUs
- 2+1 Fixed FANs redundancy
- Standard 1RU chassis height, 19" rack mountable



Chipset		
CPU	88F7040 (Quad Core) Marvell Armada ARM8 88F6820 (Dual Core) Marvell Armada ARM8	88F7040 (Quad Core) Marvell Armada ARM8
NPU	1 x Marvell 98DX8448	1 x Mellanox MT5213A1
Memory	8GB DDR4	
Storage	32GB mSATA SSD	
Interface		
Ethernet Ports	48 x 10GbE SFP+ ports	
USB Ports	1x USB type-A	
Console Port	1x RJ-45	
Management OOB port	1x RJ-45	
Performance		
Switching capacity	960Gbps	
Packet Buffer Memory	3MB (TN4810M-DN) 16MB (TX4810-DN)	
Jumbo Frame support	9216 bytes	
MAC Address	32K entries (TN4810M-DN) 256 entries (TX4810-DN)	
Power & Fan		
Power Input Voltage & PSU Spec	100 to 240 VAC 200 watts (2 x Hot-swappable redundant power)	
Fan	3 x Fixed Fan	
Environmental Specifications		
Operating temperature	0 to 40°C	
Storage temperature:	-20 to 70°C,	
Humidity	Operating relative humidity: 10%~90% RH no-condensing Storage humidity: 5%~95% RH no-condensing	
Mechanical Specification		
Chassis Dimension (Width x Depth x Height)	438.5 x 410 x 43 mm	
Standards and Certifications		
EMI	FCC 15B/ICES-003 EN300386 (Pending) EN55035 (Pending)	
EMS	EN 300386 (Pending) EN 55024:2010 + A1:2015 (Pending) EN 61000-4-2:2009 (Pending) EN 61000-4-3:2006 +A1:2008 +A2:2010 (Pending) EN 61000-4-4:2012 (Pending) EN 61000-4-5:2014 (Pending) EN 61000-4-6:2014 (Pending) EN 61000-4-8:2010 (Pending) EN 61000-4-11:2004 (Pending) IEC 61000-4-3 (Pending)	
Safety	IEC 60950-1 (Pending) IEC 62368-1	