

Tyrone **NXT**

NETWORK SWITCH

PRODUCT CATALOGUE



› ABOUT

Network switches are an integral part of high-performing modern data centers. Tyrone has decades of successful experience in deploying complex networking products and brings accumulated expertise to their switches. To meet the business requirement, Tyrone has introduced the NXT range of switches.



FREEDOM
OF CHOICE



GREATER
CONTROL



RAPID
INNOVATION



REDUCED
CAPEX & OPEX

Tyrone **NXT**

› OVERVIEW

These switches are ideal for top-of-the-rack deployment with the Open Network Install Environment (ONIE) that supports the installation of compatible Network Operating System (NOS) Software including the open-source options Open Network Linux plus commercial NOS offerings. In addition, these switches provide great freedom of choice, with a high degree of control, rapid innovation, and reduced capital expenditure (CapEx) and operational expenditure (OpEx).

› PROMINENT HIGHLIGHTS



HIGH AVAILABILITY AND RELIABILITY:

Tyrone's NXT switches have an in-built modular fan and efficient, redundant power supply design to ensure a high availability architecture. The hot-swappable design makes certain that fans and power supplies are replaced without hampering the actual switch operations. Load sharing enables power supplies to evenly distribute load increasing reliability and lifetime.



OPEN NETWORKING:

This is an exciting capability of Tyrone's NXT switches arming IT experts with innovative third-party software and operating systems. As a result, the cost is reduced because of hardware and software separations thereby improving network agility and flexibility. Overall, open networking simplifies scalability, due to the support of standards-based tools and standards-based applications and makes the network robust.



FLEXIBILITY AND VERSATILITY:

Tyrone's NXT switches offer its users the power of choice by providing a range of high-capacity interface combinations that include 10G, 25G, 40G, and 100G ports to accommodate the requirements and scale of data centers. The ONIE support facilitates the integration of switches in the current network ecosystems leveraging a collection of supported third-party Network Operating Systems (NOSs) for optimal compatibility.



SMART FEATURES:

Tyrone's NXT switches are power packed with an assortment of features in-built smart fans, and an internal heat sensor monitor. The sensors detect temperature changes and respond accordingly with the support of different fan speeds for different temperatures thereby optimizing power consumption. Switches have the power to port(B2F) airflow which optimizes air circulation inside the rack and facilitates the building of energy-efficient data centers by separating the hot and cold aisles.



LAYER 2/3 FUNCTIONALITY:

To realize the demands of data center applications, Tyrone's NXT switches come with a complete L2 and L3 feature set along with impeccable security features with TPM and Secure Boot.



COST-EFFICIENT WITH DEDICATED SUPPORT:

When compared to existing networking switches, Tyrone's NXT switches deliver a more cost-effective solution because of a lower initial purchasing cost in combination with a reduced long-term total cost of ownership (TCO).

› PRODUCT SPECIFICATION



PARAMETER	NXT-F48C810R	NXT-G48C210R
Form Factor	1U	1U
Dimensions (W x D x H) (cm)	43.84 x 53.6 x 4.35	43.8 x 47.4 x 4.4
100G Ports (QSFP28)	8	2
25G Ports (SFP28)	48	4
10G Ports (SFP+)	2	-
1G Ports (RJ45)	-	48
Management Port	Yes	Yes
Console Port	Yes	Yes
USB Port	Yes	Yes
Micro USB Port	Yes	No
Switching Capacity	4 Tbps full duplex	960 Gbps full duplex
TPM	2.0	1.2
Secure Boot	Yes	Yes
Pre-Loaded Software	ONIE	ONIE
No. of Fans	6	3
Airflow Direction	Power to Port	Power to Port
PSU Rating	650 W	150 W
PSU Redundancy	Yes	Yes

Tyrone®

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