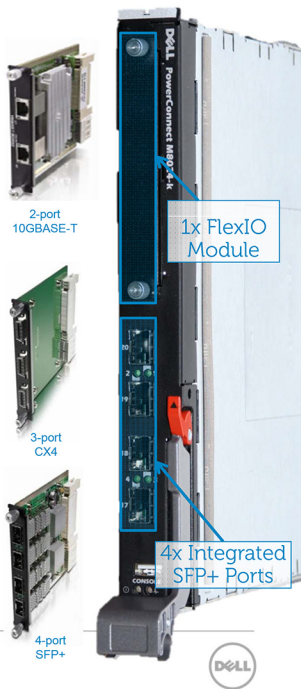# PowerConnect M8024-k

- Fully modular full wire-speed <u>all 10Gb</u> managed Layer 2/3 Ethernet switching
- Converged
  - Supports DCB (protocols PFC and DCBx)
  - FCoE Transit Switch via FIP Snooping Bridge (not supported in Simple Switch Mode)
- Stacking, up to 6 IOMs (not supported in Simple Switch Mode)
- Industry leading 24 port design features:
  - 16 internal server ports
  - 4 integrated external SFP+ ports
  - Up to 4 *additional* external ports via FlexIO modules
- FlexIO fully modular design enables connectivity choices including SFP+, CX4, and 10GBASE-T
  - M8024 supports mixing of the FlexIO modules
- Default mode of operation is Simple Switch Mode (port aggregator); user-configurable to full switch mode
- Provides connectivity for the latest 10Gb-KR NICs and CNAs, including those supporting Switch Independent Partitioning

2-port
10GBASE-T

3-port
CX4

4-port
SFP+

1x FlexIO Module

4x Integrated SFP+ Ports

PowerConnect M8024-k

10Gb Ethernet (DCB/FCoE)

Mezzanine cards & Select Network Adapters

Combine the 10Gb M8024-k Ethernet switch with the 11G **Broadcom 57712-k Select Network Adapter, Brocade BR1741M-k, QLogic QME8242-k, Intel X520-x/k** or 12G **Broadcom 57810S-k, Intel X520-x/k, and Qlogic QME8262-k** dual-port 10Gb-k Ethernet mezzanine cards in PE blade servers for 10Gb from server to LAN

10 GbE Fabric A

Mezz Card Fabric B

Mezz Card Fabric C

The M8024-k switch supports connectivity to 10Gb-KR adapters, all of which are notated with "-k". It does not provide connectivity to legacy 10Gb-XAUI NICs/CNAs

If connected to 1Gb Ethernet mezz cards, M8024-k will auto-negotiate individual internal ports to 1Gb.

Uplinks

10GbE **CX4 Copper** Module

Cables
CX4 cables for 10GbE Uplink

Uplinks

Cables
RJ45 / Cat6a

10GBASE-T **Copper** Module

(supports auto-negotiation to 100Mb/1Gb)

Uplinks

10GbE **SFP+** Module

Optical Transceivers (SFP+)
PCT 6XXX Short Range, Multi-Mode
PCT 6XXX Long Range, Multi-Mode
PCT 6XXX Long Range, Single-Mode

Cables

SFP+ Direct Attach (copper)
twin-ax cable with SFP+ connector
(0.5m, 1m, 3m, 5m, 7m available)

Management Port

Cable included

I/O bays

A[1]/A[2]

B[1]/B[2]

C[1]/C[2]