Data Center Центры обработки данных (ЦОД)



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Data Center Trends



Data Center Standards Update



Rapid
Deployment,
Scalability, &
Future proofing



Ensuring Low Latency, Performance, and Reliability



Reducing Risk & Preventing Unexpected Cost



Achieving Operational Efficiency and Lower OpEx





Pressure on DC Manager













Development of IoT

Big data

Cloud

Based business

Storage Solutions







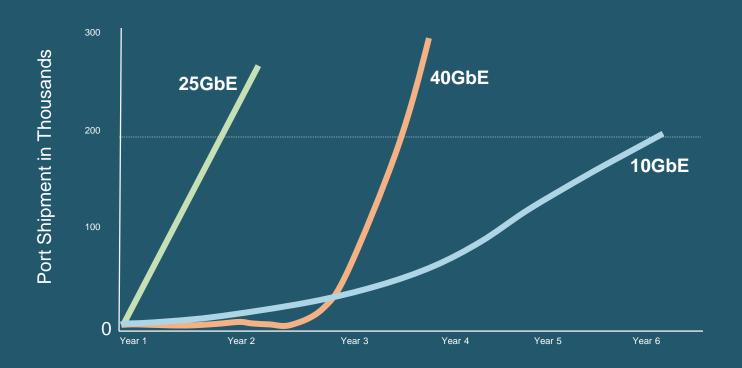
Data speed growth













Year 1 = 2003

40GbE

Year 1 = 2011

25GbE

Year 1 = 2015







Is 400G that far away?



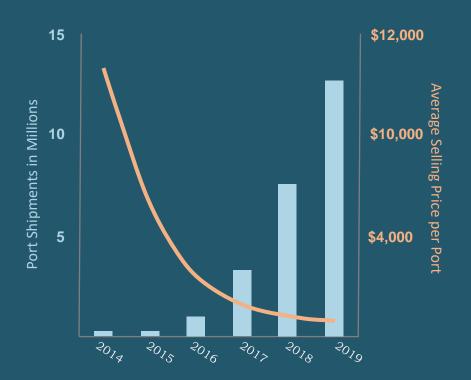
100GbE DC Switching Trends



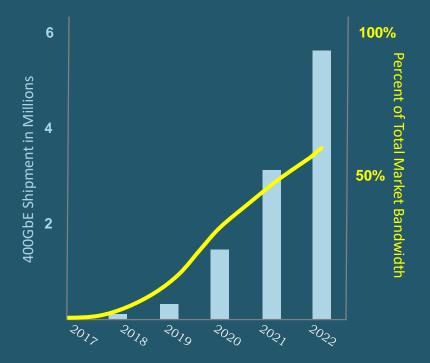








400GbE DC Switching Trends









Ethernet Roadmap











Source: Ethernet Alliance











Rapid Deployment, Scalability, & Future proofing







Rapid Deployment, Scalability & Future Proofing



Whether building out new areas or meeting lead time and product delivery requirements, bringing services on line as quickly as possible is key to enhancing your business and maximizing revenue.





Base 8 Plug & Play



Preconfigured Cabinets



DC Design Services

















Base 8 Plug & Play



Preconfigured Cabinets



DC Design Services









8

Fiber per MTP

100%

Fiber Utilization

\$

Cost effective

High

Density fiber in small pathway space





















Preconfigured Cabinets



DC Design Services



Customizable

Reduce

Deployment Time

Preloaded

Cabinet System

V-Built™



















Base 8 Plug & Play



Preconfigured Cabinets



... In other words

Why settle for this...



When you can have this?

V-Built[™]





















DC Design Services

Levels of Data Center Design

Information Gathering

PHASE ■ Site Survey

■ Document Review

■ High-Level Analysis

Design Development

■ Detailed Floor Plans

■ Cabling & Pathways Layout

■ 2D & 3D Models

■ Thermal Analysis

Implementation

PHASE ■ BoM Generation

■ Deployment Planning

■ Material Logistics

■ Contractor Referrals

Standard

Based DC design

CFD

Thermal Analysis

Green

Green Building Credits

Global

Deployment service

















Reducing Risk & Preventing Unexpected Cost



Mitigating risk and preventing unexpected day 2 costs means properly managing and protecting your data center assets with real-time visibility, security, and ease of moves, adds and changes via easy access within high-density fiber patching areas.





High Density and Modular Management



MTP Pro Assemblies



Cabinet Security & AIM





















Low Loss

Fiber Connectivity

Push-Pull

Design for easy access and removal process

Polarity

Change without fiber damage

Uniboot

Smaller diameter, reduced pathway congestion, & improves airflow & efficiency









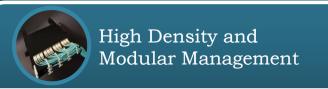


















Ultra

High Density Fiber Connectivity

3456MTP / 576LC (4U) Panel

864MTP / 144LC (1U) Panel

Superior

Low loss performance

Unmatched

Accessibility & cable management





















Combo

Fiber and Copper panel

4

P&P Module capacity

Optimizes

U space utilization within cabinets

Fixed

Panel with rear cable management





















MTP Pro Assemblies







MTP Pro

To solve polarity and gender issues

Quick & Easy color coded

polarity change

Friendly On site pin changes

Gender

Change without any hassles



















MTP Pro Assemblies



Risk

Reduced by eliminating universal keys

Compatible

For use on any cabinet with 25mm x 150mm opening

Dual

Authentication in wide range

Easy

To setup with minimal hardware

Software

enables easy setup









































Reducing Risk & Preventing Unexpected Cost



Direct Attach Cables



100G to 4x25G 40G to 4x10G 100G 40G 25G 0.5

Meter increment lengths available

Colors

Red, Blue, White, and Black available

Compatible

With all leading active device manufactures

Copper & Fiber

To support ToR and EoR/MoR deployments















Reducing Risk & Preventing Unexpected Cost









For MTP loss

0.15dB

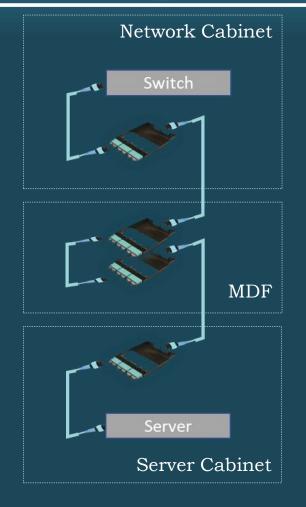
For LC/SC connector (0.1dB typical)

Improved Connector technology to

Connector technology to get low loss performance

40G/100G

BASE-SR4 application support





















When it comes to achieving operational efficiency and lower operating expenditure, you need solutions that monitor power consumption, deliver superior energy efficiency and support overall facility intelligence.





Reduced Diameter Patch cords



Intelligent PDUs



Thermal Management































5.5mm

OD optimizes space in pathways & cable managers, and improves air flow/cooling

Flexibility Offers a smaller bend

radius

Superior transmission and alien

crosstalk performance over UTP or F/UTP options





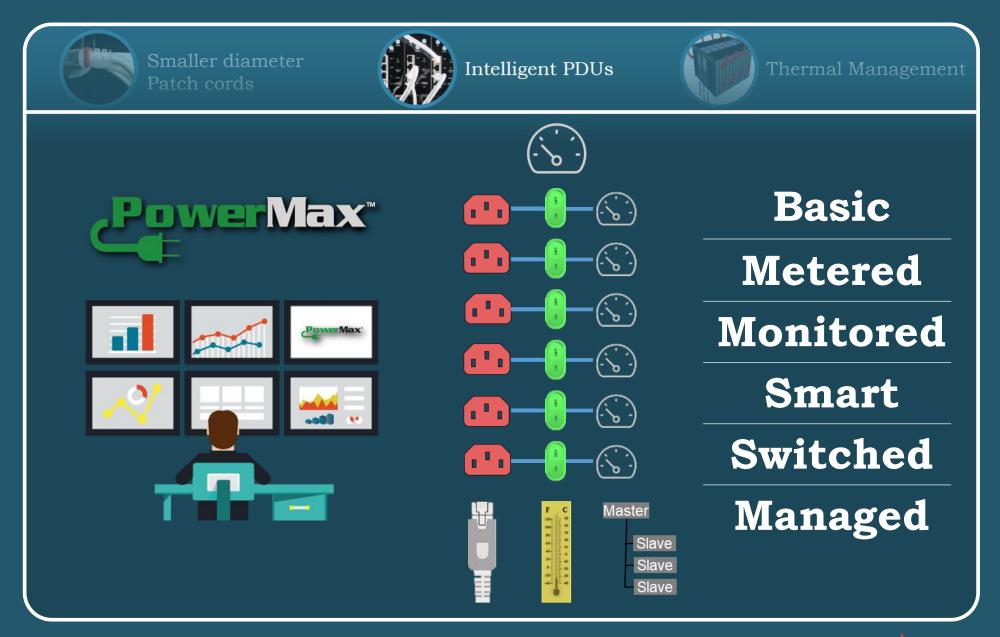
































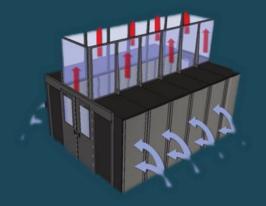
Custom

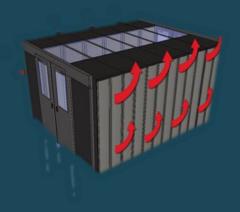
Sized CAC roof and HAC standing top panels made to order

EasyTo attach on cabinet to leverage existing perimeter cooling and hot aisle/cold aisle arrangement

Robust

Seals and self-closing or manual doors ensure optimal isolation between hot and cold air



















Thank You Спасибо за внимание

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