How Do Best-In-Class Companies Keep Up with E-Commerce Growth?

PANDUIT™

The global online retail market is estimated at 3.9 Trillion USD/Year*

Growth rate in 2019 was **20%**

Growth since March 2019 is **25%** due to Covid-19*

What's **driving** the **Growth?**

- E-Commerce
- Advancements in **robotics**
- The emergence of **IoT**
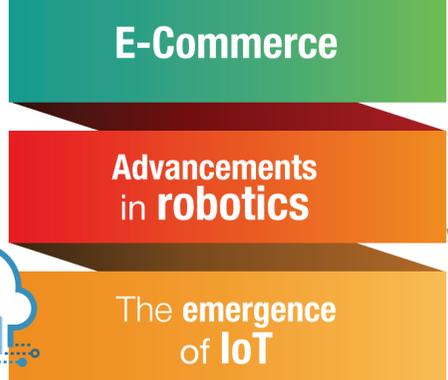
Who is Best-in-Class Globally**?

Company	Amount
Amazon	281 Billion USD¢
JD.com	83 Billion USD¢
Alibaba Group	72 Billion USD¢
WalMart	29 Billion USD¢
Rakuten	12 Billion USD¢
Best Buy	11 Billion USD¢
Otto	10 Billion USD¢
Wayfair	9 Billion USD¢
Zalando	7 Billion USD¢
Sainsbury's	6 Billion USD¢
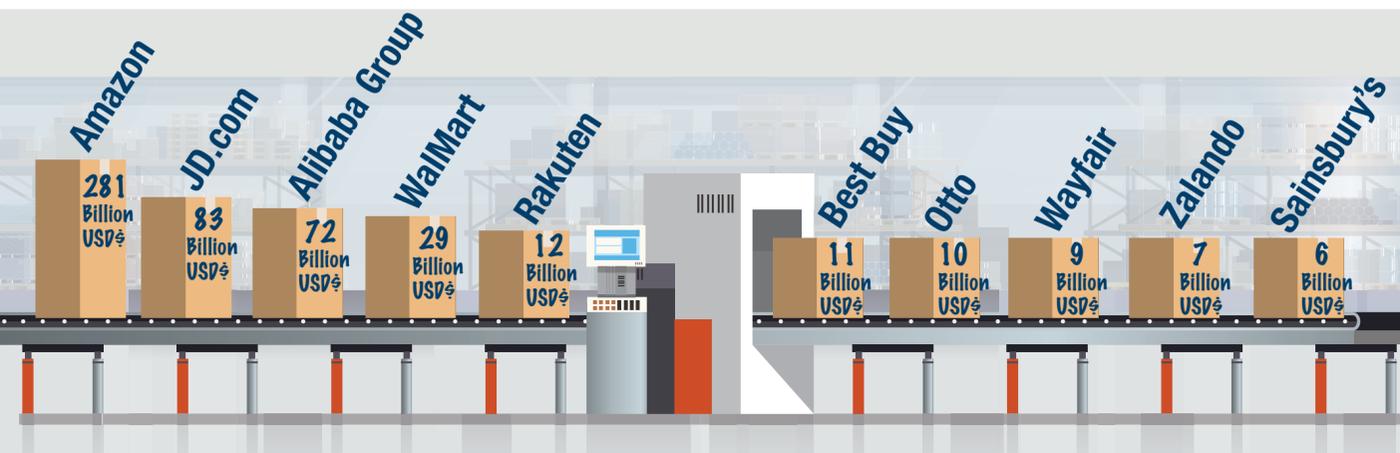
Technology in Warehousing

Fulfillment Centers
contain up to **14 miles** of **smart** conveyors that **direct, scan, measure** packages

Edge Compute
each conveyor line gathers up to **5TB/per day** OF DATA

Automation & Robotics
67% believe robotics & automation will disrupt and **create competitive advantage** in their supply chain***

M12

Growth of **19%** in **smart sensors**

* 50,000 warehouses expected to include commercial robotics by **2025**

Remote Monitoring Capabilities
are **essential** since Covid-19

Field Term Plug

FieldCord™ Connector

NOC/Equipment Monitoring Station

How can you Compete?

Digital Adoption
Implement digital technologies and capabilities from the ground up to support a foundation of data that can be analyzed and leveraged to drive business decisions.

Keep Up with Technology and Automation
Network issues hidden in design and planning come to life during implementation and commissioning. This ends up costing downtime which ends up costing revenue and customers.

Downtime Costs in Revenue

e-Commerce	Retail	Consumer Electronics
¢220K/min	¢40K/min	¢12K/min

Invest in Physical Infrastructure

7%

Network physical infrastructure accounts for 7% of the project spend yet is root cause to 80% of network downtime. The right physical infrastructure will ensure reliability and uptime.

80%

Order Pick Time 00:05:15
Order Pick Time 02:09:27

visit **www.panduit.com/warehouseautomation** for more information on how Panduit can help you deploy a successful physical infrastructure