Demand for multi-gigabit connections

Fueled by the introduction of technologies like Wi-Fi 6E, the number of connected multi-gigabit devices is surging. Many center on 2.5 and 5 Gbps applications.

The multi-gig donut hole

The 2.5G/5G "donut hole" is a challenge for enterprise network managers.

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CAT 5e o CAT 6 o CAT 5e o CAT 6 c

support with conventional Cat 5e or Cat 6 cabling **BUT**

Can't ensure standard-based

Not enough bandwidth demand

to justify a complete upgrade to

10G-capable Cat 6A

AT 6 o CAT 5e o CAT 6 o CAT 5e o CAT . What are your options?

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O CAT GA O CAT GA O CAT AT GA O CAT GA O CAT GA O GA · CAT GA · CAT GA · CAT

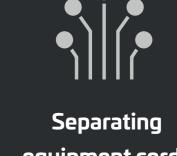
GA O CAT GA O CAT GA O CAT GA

OPTION #1:

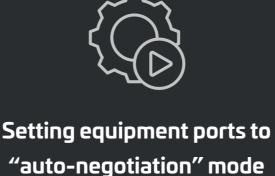
Use existing Cat 6 according to NBASE-T Guidelines NBASE-T Guidelines (2016) enable twisted-pair copper cabling to operate

at 2.5 Gbps and 5 Gbps for distances of up to 100 meters, assuming the mitigation of any performance risks. Therein lies the problem. At 2.5 GbE, the Cat 6 risk is low, and at 5 GbE it's medium.

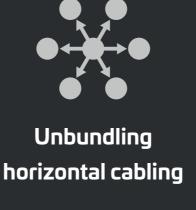
> The risks for Cat 5e are even more severe. Mitigation involves one or more steps:

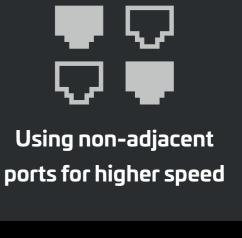


equipment cords



If mitigation fails then...



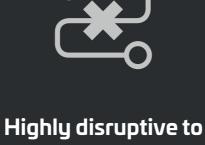


OPTION #2:

Rip out the Cat 6 cabling and replace with Cat 6A

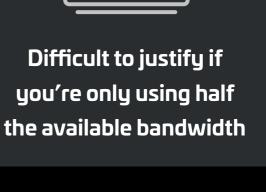


downtime



daily workflow





...or think outside the category!

GigaSPEED® XL5

SYSTIMAX®

Patented variable twist/strand technology greatly improves internal/alien crosstalk performance

An end-to-end solution

A Cat 6 solution that supports 2.5 and 5 GBE up to

100 meters... no mitigation or upgrades required.



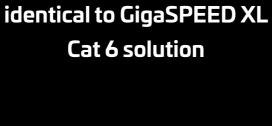
Supports up to 5 Gbps in a four-connector 100 m

channel with fully bundled horizontal cables

Ideal for connecting devices like in-ceiling Wi-Fi 6E access points, IP security cameras and more



Cable diameter is nearly Pack more bandwidth



Perfect timing The transition from Wi-Fi 6 to more bandwidth-heavy Wi-Fi 6E

But applications requiring 2.5G

and 5G support are growing.

or Wi-Fi 7 has begun.

or upgrades.

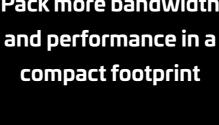
demands increase.

Cat 5e

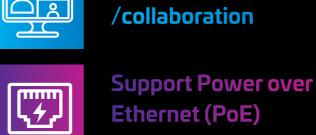
Not dead yet...

Don't even think about

HIGH RISK



IP surveillance and security





Reduce your cost of

installation, equipment



♥*

Campus WLANs

X10D

workstations

High-performance

Bridge the gap

GIGABIT ETHERNET APPLICATIONS (UP TO)

Video conferencing

bandwidth demands without mitigation

The latest addition to the SYSTIMAX GigaSPEED family of copper solutions. Seamlessly evolve as your bandwidth

A solution that supports 2.5 and 5.0 GbE

Available now as part of the new SYSTIMAX 2.0 portfolio.

XL5 XL 5Gbps 10 Gbps 1 Gbps GigaSPEED XL5: in a category all its own XL5 Cat 6A

Cat 6

Keeps running

Expect at least "moderate"

Brand new

Built to work at higher

Assured to work at highest speeds Most future ready

pushing it to high speed maintenance if/when speed. Comes with bumperpushed to higher speed to-bumper dealer warranty **ZERO RISK UP TO 5G FUTURE READY MEDIUM RISK**

Contact your SYSTIMAX representative to find out more

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