



Actelis

SECURE GIGABIT CONNECTIVITY TO ANY LOCATION



DEPLOYED IN AN HOUR



HYBRID-FIBER IS YOUR FAST PATH TO SECURE IoT IMPLEMENTATION

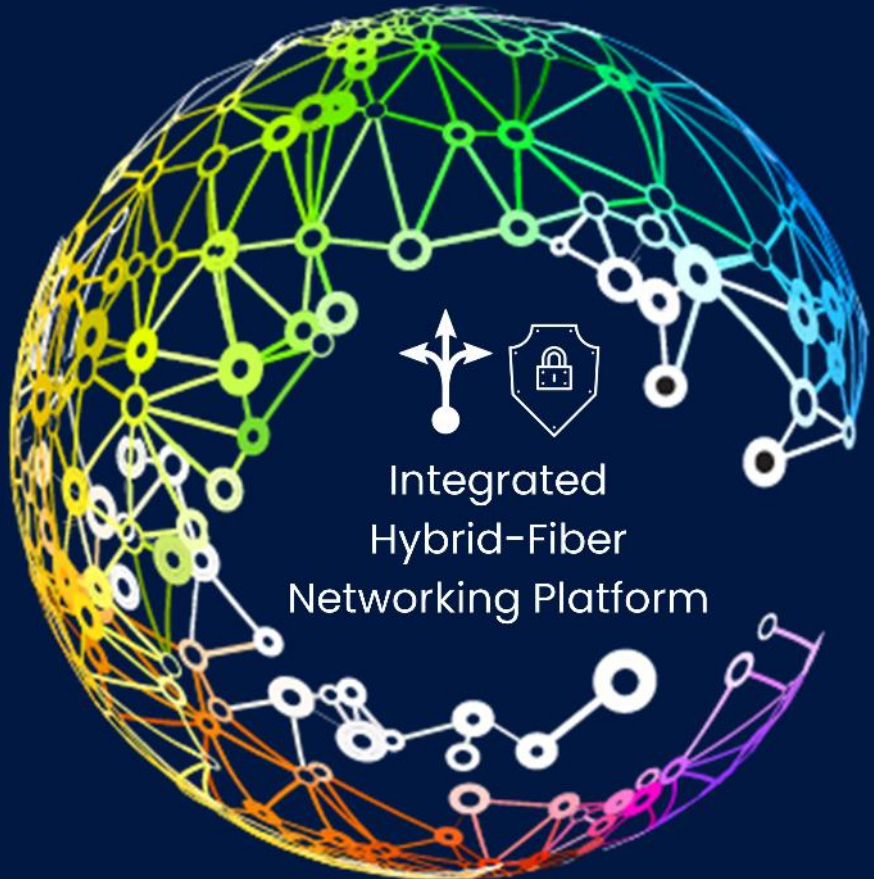


IoT CONNECTIVITY SHOULD NOT BE A BARRIER TO MODERNIZATION

Gigabit - grade connectivity is what's needed to truly modernize your network. Actelis hybrid – fiber delivers the level of performance you need in a fraction of the time and for 1/10th of the cost of 100% fiber-only network. By removing the barriers to immediate, affordable connectivity, you can greatly accelerate and expand your IoT projects, and future proof your operations.



INTEGRATED HYBRID-FIBER NETWORK: SCALABLE, FLEXIBLE, SECURE



FIBER WHEN AVAILABLE, GIGABIT COPPER/COAX WHEN NOT

For us it's not just about connectivity. It's about providing a single platform that brings your existing legacy infrastructure together with your growing network of new fiber installations, into one, secure Gigabit network.

Our platform, from our networking devices to our management system, is cyber-hardened, helping to protect your critical applications from cyber attacks.



WHY WE ARE DIFFERENT



IT'S THE MAGIC THAT SETS US APART

Getting fiber-quality, secure and reliable Gigabit connectivity from any wireline medium is the magic of Actelis.

With our proven, patented solution, we optimize, protect and boost 100X the performance of your existing infrastructure, extending its life-span, speed and reach - so you can spend your budget on other critical items.



ANY USE CASE, WE HAVE YOU COVERED



WE MAKE IT RIDICULOUSLY EASY

From cameras to HVAC monitoring to broadband access, we enable connectivity instantly and transport your data safely and securely.

Our wide portfolio of connectivity tools are friendly to your budget and are configurable to help you expand your network for years to come.



NETWORKING IS IN OUR DNA

EXPERTS IN NETWORK OPTIMIZATION

Our engineering, development, and project management teams get the most out of your network because they are true networking experts.

They understand how networks are built and how to integrate the right elements to optimize performance and make your budget go further.



WHY USE WIRELINE TECHNOLOGY?



Cost

No cellular fees. Save approx.
\$600/year/IoT device.
Minimal labor install fees.



Coverage

Direct line of sight not required.
Actelis extends your reach for
miles and miles.



Reliability

Little-to-no interference and
ultra-low latency in any weather.



Power

Save time/money by remotely
powering your IoT devices instead
of installing a local power source.



Security

A wired network is contained while
wireless data is more susceptible
to jamming & hacking.



Speed

Gigabit connectivity transmitting
faster speeds than wireless.





WEATHER HARDENED TECHNOLOGY



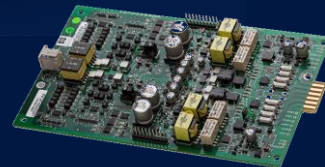
Hybrid Switches



Fiber Switches



Ethernet Aggregators



Amplifiers and Repeaters



BUILT FOR EXTREME TEMPERATURES

Actelis equipment is designed for outdoor or indoor use and is proven in over 40 countries in some of the world's harshest climates. You can find Actelis devices in the bitter cold of Alaska and Canada, the heat and humidity of India, and the dampness of the United Kingdom.



CYBER HARDENED SOLUTIONS FOR YOUR MISSION CRITICAL APPLICATIONS



Management Layer
High Level Authentication & Encryption



**Encrypted
Switching Layer**



**Encrypted
Switching Layer**



**Encrypted
Transmission Layer**

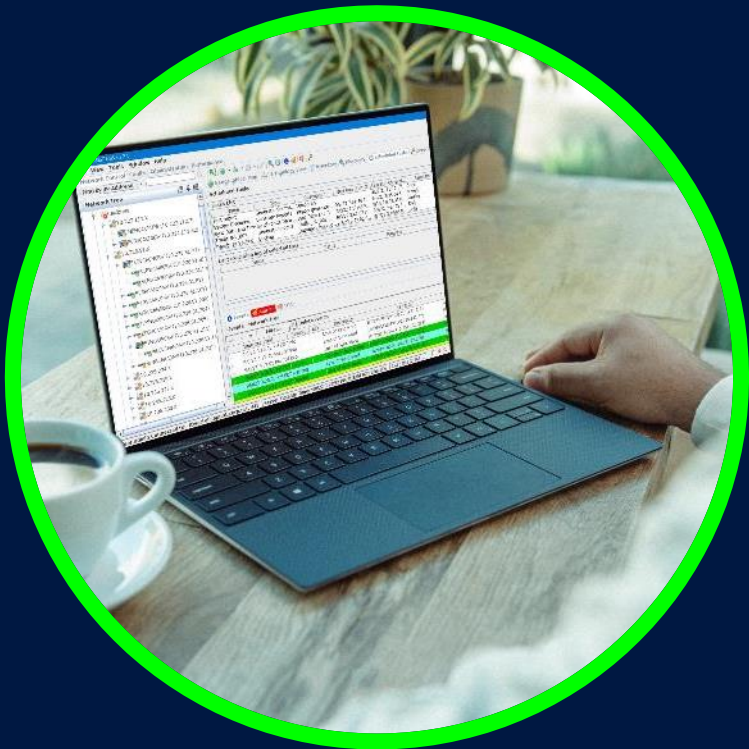
END TO END ENCRYPTION

Keeping your network safe from cyber-hacking or denial of service attacks is a key focus for Actelis.

We provide “Triple Shield Protection” – three levels of network protection encrypting your data at the transmission level, device level, and management level.



SECURE, COMPREHENSIVE NETWORK MANAGEMENT



- Remote management of hybrid networks of fiber, copper and coax, including 3rd party devices
- Zero Touch Provisioning
 - Installation of your devices in just hours
 - Scale your network quickly
- Software download and configuration backup
- Performance Analysis



BUILT FOR CRITICAL INFRASTRUCTURE NETWORKS



Smart City/ITS



Smart Rail



Utilities



Telecommunications



Military

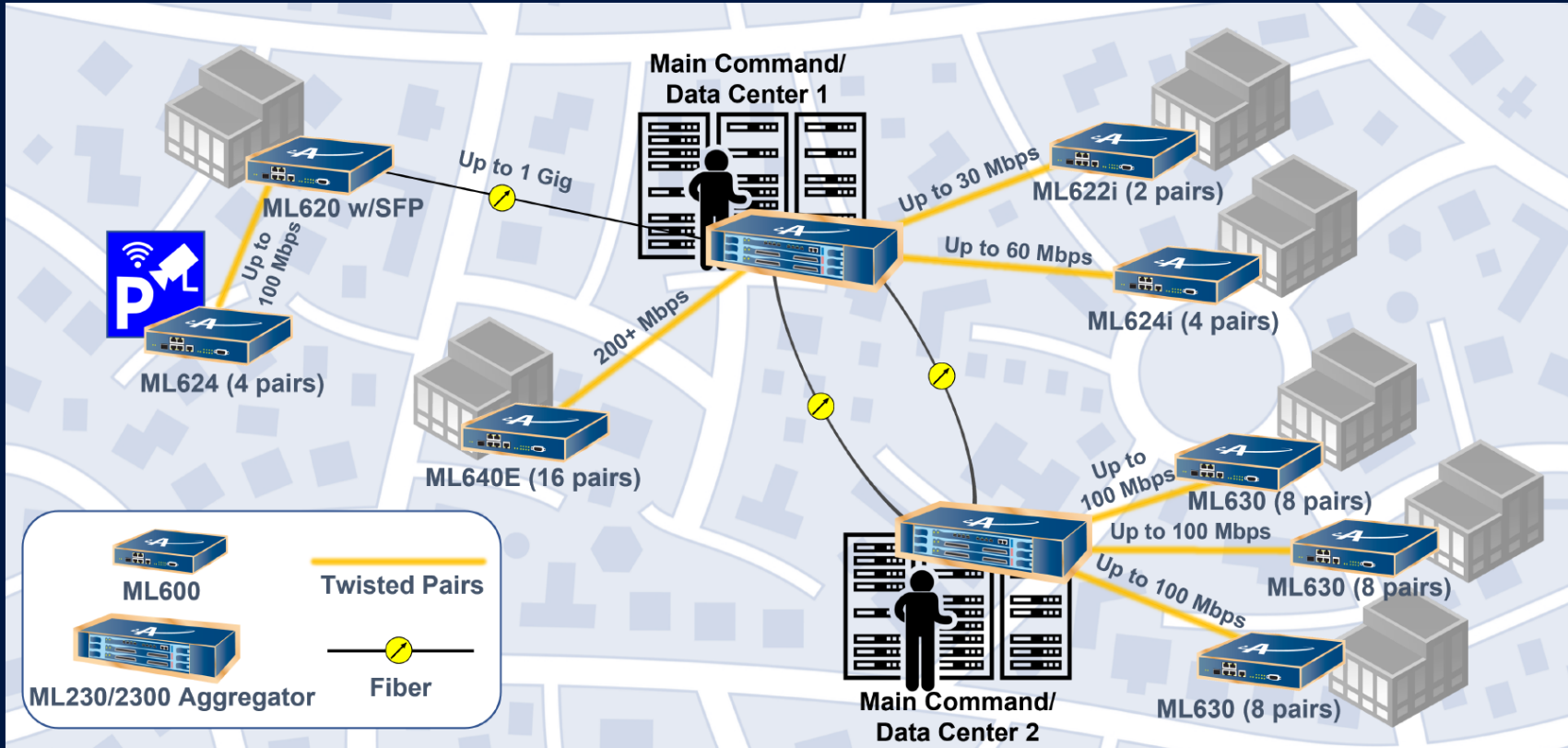


Airports

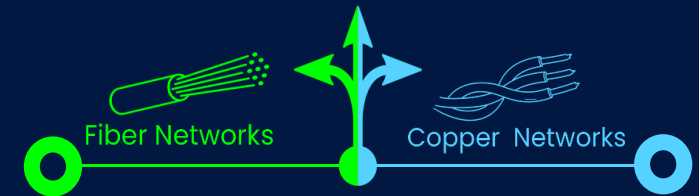
Utilized in
40+
countries



CAMPUS USE CASE



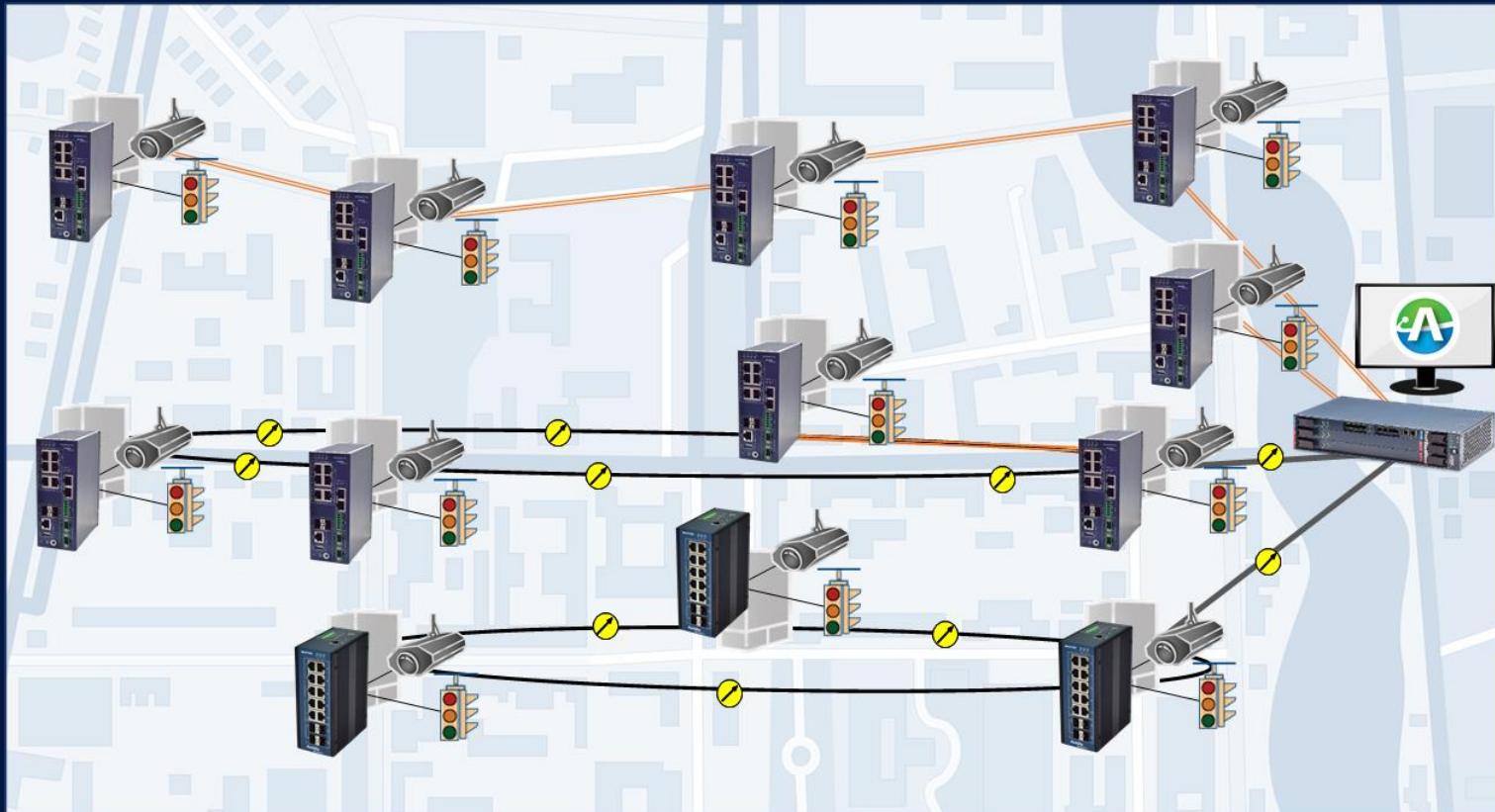
Drop & Continue, Ring, or Linear Topologies



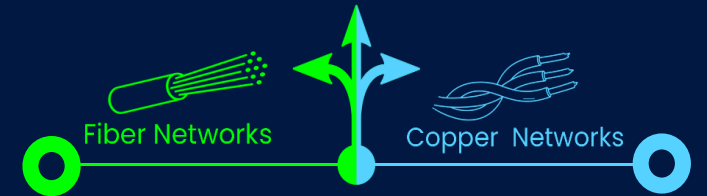
- **Access Control**
- **HVAC Monitoring**
- **Internet for dorms, barracks, etc.**
- **Surveillance Cameras**
- **VoIP**



TRAFFIC INTERSECTION USE CASE



Drop & Continue, Ring, or Linear Topologies



Aggregation Switch



Hybrid Fiber-Copper Switch



Fiber Switch



EMS Remote Monitoring/Provisioning



MULTI-TENANT UNIT USE CASE #1

Last Mile Broadband

- Fiber to the cabinet
- Fiber extension over existing wiring to the building
- Gigabit throughout the building over existing wiring. No rewiring needed.

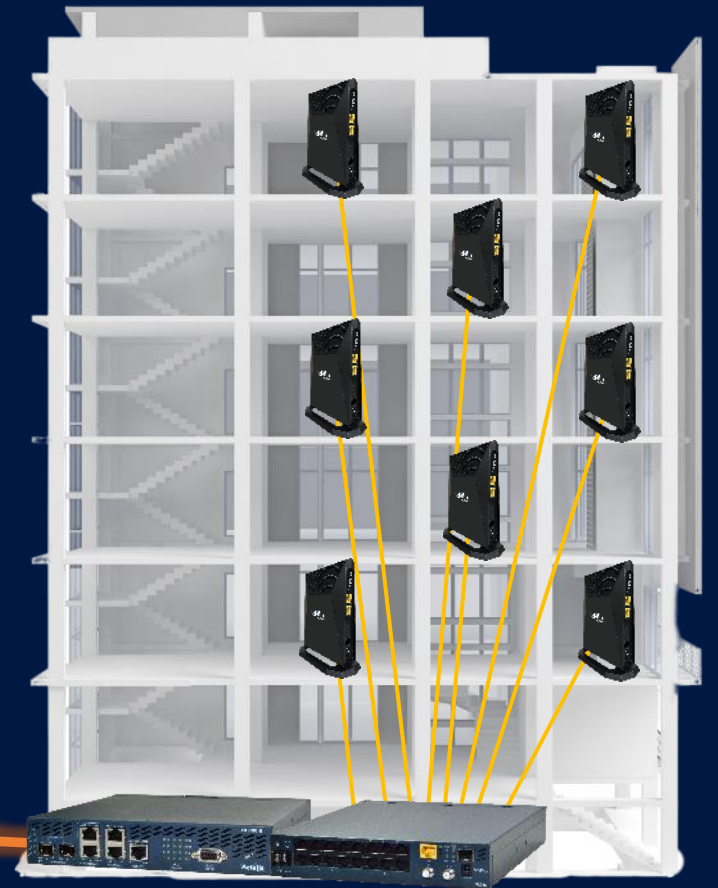


5GB

To the building with
GL800

1GB

Throughout
the building
with GL900





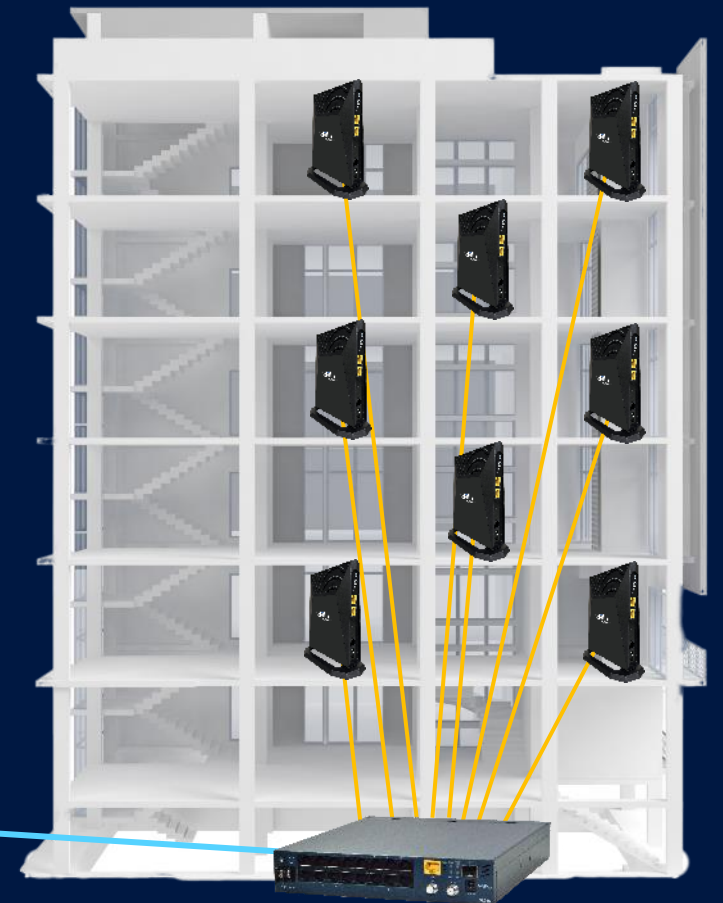
MULTI-TENANT UNIT USE CASE #2

Last Mile Broadband

- Fiber to the building
- Gigabit throughout the building over existing wiring.
- No building rewiring needed.

1GB

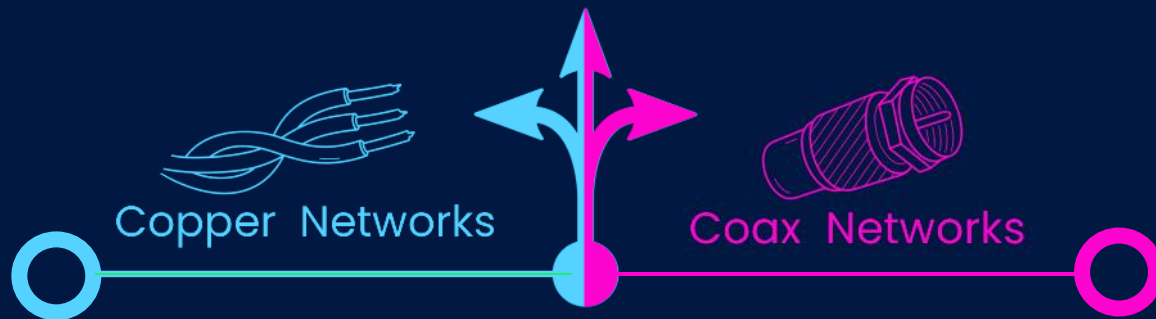
Throughout
the building
with GL900



Fiber to the
building



DIGITIZE AND POWER UP YOUR IP CAMERAS OVER EXISTING COAX



**MIGRATE FROM
ANALOG TO DIGITAL.
NO REWIRING.**



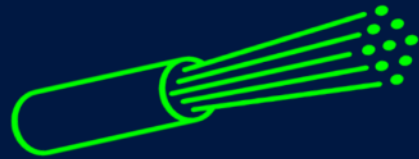
MetaLIGHT 622i

Use existing copper and coax for digital cameras.

If you are upgrading your analog CCTV cameras to digital IP cameras, save time and money by keeping your existing coax and connecting to the Actelis solution.



WE'RE EVOLVING AS YOUR NETWORK EVOLVES



Fiber Networks



GigaLine Fiber Optic Managed Switches
Up to 36 ports – 10G capacity – PoE++



HARDENED, HIGH DENSITY FIBER OPTIC SWITCHES DESIGNED FOR A SECURE HYBRID-FIBER NETWORK

You've laid the fiber, now it's time to connect more devices and more people. Our full line of rack mount and DIN Rail Gigabit L2 and L3 switches offer 10G switching capacity and optional PoE++, and can easily be an integral part of any Fiber or Hybrid-Fiber network.

An aerial night view of the Singapore skyline, featuring the Marina Bay Sands hotel and the Esplanade - Theatres on the Bay. The city lights are reflected in the water. The Actelis logo, consisting of a stylized 'A' with a colorful swoosh, is overlaid on the image.

Actelis

CONTACT US AT:
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