



## Accelerate Everything

### It's Time to Accelerate Everything: Broadband, Revenue, Performance

Founded in 1998 and headquartered in Silicon Valley, California, Actelis Networks® is recognized as the #1 global supplier of Ethernet over bonded-copper solutions. Spanning 40 countries, Actelis' market leadership is attributed to our best-in-class products, which are widely deployed by more than 200 customers, including telecom service providers, enterprises and municipalities.

By leveraging the combination of our patented and award-winning EFMplus™ technology with the industry's Ethernet standards, Actelis' products accelerate the creation of superior, high-bandwidth Ethernet services over existing copper network infrastructures. Telecommunication service providers, enterprise and municipality customers alike can utilize our Ethernet in the First Mile (EFM) solutions to ensure that they can deliver ubiquitous and highly reliable Ethernet facilities today without the overwhelming cost or time required of trenching fiber.

Field-proven, time-tested and environmentally hardened, Actelis products deliver up to 100 Mbps of symmetrical Ethernet service per customer over existing copper infrastructure. Actelis' strength and market leadership is due to our ability to achieve unprecedented *Rate, Reach and Reliability*, or what we refer to as The 3 R's of EFM™, on any grade of available copper.

With the help of Actelis' innovative technologies, which leverage our advances in spectral management, our customers can easily, economically and immediately deploy new EFM solutions that deliver fiber-like performance over copper networks. Our EFM solutions provide up to 20 times the bandwidth of legacy copper solutions, with installations reaching as far as 15 miles, when paired with our standards-compliant XR239 EFM Repeaters.

As a result of our extensive R&D investment in Layer 1 and Layer 2 enhancements, Actelis

offers solutions that provide superior performance and operational efficiencies. Interoperable with any standard Ethernet switch or router, the Actelis ML product family is built on our unique EFMplus technology, allowing our customers unprecedented *Rate, Reach and Reliability* over their copper-based networks.

#### Ethernet Access Devices

Actelis ML600 product family of EADs are field-proven, high-performance transport/access platforms that deliver high-bandwidth, high-quality symmetrical services over copper pairs. Our ML600 EADs can be used in Point-to-Point and Point-to-Multipoint configurations, delivering up to 100 Mbps per customer over existing copper.

#### Ethernet Aggregation Systems

Actelis has a comprehensive portfolio of carrier-class, standards-based aggregation switching products, including the ML2300, ML130 and ML690 for central offices. These intelligent Ethernet access products offer a variety of cost-effective aggregation platforms for different network topologies and scenarios.

#### XR239 EFM Repeaters

First deployed in 2005, Actelis' XR239 EFM Repeaters are the industry's first standards-based and spectrally compliant repeaters for 2Base-TL EFM systems. Actelis' industry-leading XR239 EFM Repeaters extend Ethernet over copper broadband services to distances up to 15 miles (23Km/72Kft) and ensure spectral compliance with regional regulations.

#### Fully Standards Compliant & Interoperable

Every Actelis product is fully compliant with all applicable standards (IEEE, MEF, ITU-T, ANSI, ETSI, and others). Additionally, our products have proven interoperability with standards-compliant products of other vendors, making deployment of our solutions even easier.

### Quick Facts

- Founded in 1998
- Corporate headquarters in Fremont, California
- More than 200 customers
- Deployed in 40 countries
- Fully compliant with industry standards

### Markets Served

- RBOCs, ILECs, CLECs, IOCs  
PTTs & Alternative Carriers
- Federal, State, Municipalities
- Education, Health Care,  
Utilities, Private Campuses

### Applications

- DSLAM Backhaul
- Fast Internet Access
- MDU/MTU Backhaul
- Metro Ethernet Extension
- Private Campus Networks
- T1 / E1 Line Replacement
- Traffic & ITS
- Transparent LAN Service
- WiFi and Cellular Backhaul

[www.actelis.com](http://www.actelis.com)