



For Release

ECI INTRODUCES THE FIRST LAYER 1 OPTICAL ENCRYPTION AS A SERVICE SOLUTION WITH LINE RATES UP TO 200Gbps

Making it particularly suitable for service providers, financial, medical and government institutions

Petach Tikva, Israel, March 9, 2017 --- ECI, a global provider of ELASTIC Network® solutions for service providers, critical infrastructures and data center operators, announced today the introduction of its first optical encryption as a service solution. The solution supports per-service encryption up to 100Gbps, with line rates up to 200Gbps, without sacrificing interoperability, scalability, or flexibility. This makes it particularly suitable for service providers, financial, medical and government institutions.

Jimmy Mizrahi, EVP Global Portfolio at ECI said, “In today’s world, information security is a critical business imperative for any institution. Communications traffic can be intercepted at any point in the network, via fiber taps for example, thus necessitating encryption to guarantee the integrity of the data being transmitted. As such, optical-layer encryption has become key to a sound security strategy. For financial and government institutions, where livelihoods depend on the transfer of extremely sensitive information, this is even more important.”

ECI’s solution offers a unique encryption on a per-service basis up to 200Gbps, making it one of the fastest in the market. Moreover, the solution enables service providers and other institutions to offer Layer 1 encryption as a service for additional revenue streams. This reinforces ECI’s tailored [security offering](#) targeted at service providers launched earlier this year. ECI’s encryption method is certified FIPS 140-2 Security Level 2. The L1 encryption can also run as alien lambda over other optical networks offering a much more flexible and economical solution.

Contrary to Layer 2 (or higher layer) encryption, optical encryption provides no information about the underlying services to a potential hacker. It adds almost no latency and can be used to encrypt any service - not just Ethernet-based services. As such, optical encryption is preferred in situations where latency is crucial such as healthcare, smart cities and intelligent transportation.

ECI will be exhibiting its cloud and security offerings at Cloud Expo Europe 2017 to be held in London ExCel, March 15-16, 2017 at Booth #825.

ABOUT ECI

ECI is a global provider of ELASTIC network solutions to CSPs, critical infrastructures as well as data center operators. Along with its long-standing, industry-proven packet-optical transport, ECI offers a variety of SDN/NFV applications, end-to-end network management, a comprehensive cyber security solution, and a range of professional services. ECI's ELASTIC solutions ensure open, future-proof, and secure communications. With ECI, customers have the luxury of choosing a network that can be tailor-made to their needs today while being flexible enough to evolve with the changing needs of tomorrow. For more information, visit us at www.ecitele.com.

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