Company Profile

ORCKIT Corrigent

Pushing technology to the edge

The Company

Long-Term Partners for Lasting Success

Orckit began making its mark in the telecommunication arena in 1990, went public in 1996, and made history as the first Israeli company to face a surfeit of public demand at the Initial Public Offering (IPO) in NASDAQ.

In 2000, Orckit founded Corrigent Systems as a fully owned subsidiary and began developing and manufacturing Carrier Ethernet products for metro area networks. Since then, Corrigent's Carrier Ethernet product lines have been providing a complete MPLS-based solution for Ethernet aggregation and connectivity, enabling scalable, strong and easy-to-manage infrastructure for Ethernet services.

Today, Orckit and Corrigent are united under common brand, utilizing over 20 years of combined field experience, a reputable list of Tier 1 customers worldwide and sound leadership. Looking ahead, the company will continue to provide "cutting-edge" technologies embedded within flexible, reliable and manageable products and to meet the market's ever-growing demand for advanced telecommunication solutions.

Standard Bodies and Industry Forums

Committed to innovation, Orckit-Corrigent is taking an active role on the forefront of standard organizations. The company participates in IETF, ITU-T, MEF and IEEE. Orckit-Corrigent's product line Ethernet-based services are MEF certified. The company received ISO 9001:2000 certification as part of the company's dedication to quality.

Finances

Orckit Communications Ltd. is a public company dually traded in NASDAQ (ORCT) and Tel Aviv stock exchange.

Meeting Market Challenges

Carrier Ethernet + Transport (CE+T)

Metropolitan area networks (MANs) are experiencing an ongoing growth of packet-based services derived mainly from emerging video applications and enterprise connectivity applications. To accommodate these trends, telecommunication service providers need a cost-effective, efficient, scalable and reliable network infrastructure that can carry all traffic types.

SONET/SDH legacy networks were originally designed to handle TDM traffic. As a result, this infrastructure is neither bandwidth-efficient nor cost-effective when required to support rapidly growing amounts of data traffic. Today, most telecommunication service providers make a decision to put a cap on legacy investments and focus their CAPEX on expanding a future proof, Carrier Ethernet network. The capacity of the TDM services over the legacy, circuit-based networks, is declining rapidly and migration to scalable and cost-optimized Carrier Ethernet networks is taking place.

One of the most important challenges in the Carrier Ethernet market is the demand for a wide-range of transport-class capabilities such as end-to-end network management, powerful OA&M, and support for TDM legacy services. These requirements were widely used in legacy networks and are becoming mandatory in next-generation Carrier Ethernet networks.

Orckit-Corrigent pioneers the Carrier Ethernet + Transport portfolio representing a unique offering to the marketplace that includes a standard and interoperable MPLS with a wide set of transport class capabilities. This offering provides a compelling business case for carriers desiring to build their next generation networks.

Breaking the MPLS Cost-Performance Paradigm

- Pushing L2 MPLS to the metro EDGE
- Wide set of transport features
- Standard and interoperable MPLS solutions

Technology

Carrier Ethernet + Transport

Orckit-Corrigent's Carrier Ethernet + Transport switches competitively bundle several standard technologies to exploit packet scalability and advanced traffic management capabilities, while maintaining the reliability and ease of provisioning features of classic circuit switched systems.

Carrier grade technology is used to create a homogenous packetized service layer. End-to-end paths are established over the packet network using standard MPLS technology, which is the de-facto infrastructure for Carrier Ethernet services. The combination of standardization, maturity, interoperability, and the wide deployment of MPLS-based products, makes MPLS the most cost-effective technology for next generation networks.

Advanced enhancements of MPLS and Ethernet technologies include numerous protection mechanisms enabling end-to-end sub-50ms protection across any network topology utilizing the Multi-layer OAM for superior availability, failure detection and scalability, as well as a very comprehensive set of tools for network operation, fault isolation and performance monitoring.

Packet based networks are originally asynchronous. The need to enable TDM services as well as supporting mobile backhauling application make synchronization an important extension to the classic Ethernet technology. Synchronous Ethernet is an advanced technology which enables high quality end-to-end network synchronization in order to meet delay, jitter and wonder requirements.

Synchronous Ethernet together with Circuit Emulation over Packets (CEP) technologies enable providing legacy TDM services and to ensure reliable transmission of trunk voice services across packet based networks.

Carrier Ethernet technology require comprehensive network management systems (NMS). Orckit-Corrigent's NMS is a high-end management and service provisioning system, providing "transport-class" management capabilities for next generation Metro Networks. It eliminates the need for costly and complex CLI provisioning and enables a significant OPEX reduction by offering full FCAPS support with a powerful GUI access to embedded network elements and point-and-click provisioning, comprehensive alarm management and Service Level Agreement (SLA) monitoring and extensive on-line reports, and open northbound interface for external OSSs.

Orckit facilitates telecommunication providers' delivery of high capacity broadband residential, business and mobile services over wireline or wireless networks with its Orckit-Corrigent family of products. With 20 years of field experience with Tier-1 customers located around the world and sound leadership, Orckit has a firm foothold in the ever-developing world of telecommunication.

Orckit-Corrigent's product portfolio includes Carrier Ethernet + Transport (CE+T) switches - an MPLS based portfolio enabling advanced packet as well as legacy services over packet networks with a wide set of transport features.

Orckit-Corrigent markets its products directly and indirectly through strategic alliances, as well as distribution and reseller partners worldwide.

Orckit was founded in 1990 and went public in 1996. Orckit is dually listed on NasdaqGM (ORCT) and the Tel Aviv Stock Exchange and is headquartered in Tel-Aviv, Israel.

ORCKIT Corrigent

Pushing technology to the edge

Orckit-Corrigent
126 Yigal Alon St.
Tel Aviv, Israel 67443
Tel: +972-3-695-2727
Fax: +972-3-695-3222
info@orckit.com

Orckit-Corrigent, KK
Bureau Toranomon
2-7-16 Toranomon
Minato-ku Tokyo
105-0001, Japan
Tel: +81-(0)3-5251-3811
Fax: +81-(0)3-5251-3812

Orckit-Corrigent, Korea
B-1103, 3-14 Yangjae-Dong
Seocho-Gu, Seoul
137-886, Korea
Tel: +82-2-578-5526
Fax: +82-2-578-5527

Orckit-Corrigent, USA
1902 Wright Place
2nd Floor
Carlsbad, California
92008-6583

www.orckit.com

design: 2plustudio.com