

WinterGreen Research, INC.

**E1/T1 Transceivers (LIU/Framer) Market Opportunities, Strategies, and
Forecasts, Worldwide, 2011 to 2017**

E1/T1 Transceivers Support Wireless Base Station Broadband Backhaul



Picture by Susie Eustis

MOUNTAINS OF OPPORTUNITY

**WinterGreen Research, Inc.
Lexington, Massachusetts**

www.wintergreenresearch.com

REPORT # SH24601513

221 PAGES

76 TABLES AND FIGURES

2011

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CHECK OUT THESE KEY TOPICS

**E1/T1 TRANSCEIVERS
T1/E1/J1 Transceiver
LIU/Framer
Wireless Networks**

**Wireless Base Station
Broadband Backhaul
TDM INTERFACE
NGN Systems**

**Multimedia Markets
ATM,
Streaming Media Devices**

E1/T1 Transceivers Support Wireless Base Station Broadband Backhaul Growth Strategy

E1/T1 Transceiver (LIU/Framer) Market Shares, Strategies, and Forecasts, Worldwide, 2011-2017

LEXINGTON, Massachusetts (February 24, 2011) – WinterGreen Research announces that it has a new study on E1/T1 Transceivers (LIU/Framer) Market Shares and Forecasts, Worldwide, 2011-2017. The 2011 study has 221 pages, 76 tables and figures.

E1/T1 transceiver (LIU/Framer) technology gives service providers more network broadband bandwidth in the existing TDM copper based infrastructure. As Ethernet comes on line, it may seem like these technologies are outdated, but there is still significant demand in the wireless back haul networks for connecting wireless base stations to the central office when there is no fiber. WiFi and WiMax demand T1 E1 connectivity.

E1/T1 Transceivers (LIU/Framer) transceivers simplify the design of networking equipment that must seamlessly transfer voice, data and multimedia services between circuit and packet-based wired and wireless networks

As Ethernet replaces Sonet in the telecommunication networks, there is an ongoing transformation of componentry. Here is just too much legacy infrastructure to even think about replacing it in the next 30 years, the transition to Ethernet will be gradual.

In the meantime, E1/T1 Transceivers (LIU/Framer) will find a continuing place in legacy infrastructure in the communications networks, Unit prices have declined sharply, but this has only served to create a growing market in more applications.

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E1/T1 Transceivers (LIU/Framer) are being used in backhaul to connect the wireless base stations to the central office. E1/T1 transceiver (LIU/Framer) technology is evolving to give equipment vendors with network broadband responsibilities more bandwidth. Markets are poised to create the ability for people to get more video and music from the network. Media transport impacts network capabilities that in turn impact the backplanes with demand for faster signal transport.

The E1/T1 Transceivers (LIU/Framer) transceiver industry is meeting the demand for more bandwidth by encouraging mobility. Transceiver technology impacts signal delivery, permitting moving from the narrowband networks and facilitating expansion of the Internet and enterprise systems automation in a variety of contexts.

Industry specific applications are emerging as well. In healthcare telemedicine has emerged as a way to dramatically cut costs while improving care delivery. Homecare services depend on more and better communications of home based devices with facilities that deliver care remotely based in input from monitors and devices.

Network operators and IT managers gain more control over the signal reliability and broadband signal delivery. Transport can be delivered in every setting.

E1 T1 LUI framers markets at \$122.9million in 2010 are anticipated to reach \$943 million by 2017. The proliferation of wireless communications is a significant market driver. With 5.5 million wireless subscribers in 2011, the number of base stations is proliferating creating demand for more efficient networks. WiMax is a wireless market systems implementation creating need for transceivers that improve operations and create automation infrastructure efficiency.

Market growth is predicated on the need to make minimal investment in existing copper TDM infrastructure to leverage existing investment as networks move to all Ethernet. E1 T1 LUI Framers support T1 backhaul for wireless base stations and T1 investments from restaurants, airports, hotels and public places on simple WiFi and WiMax Internet systems.

Key Words: E1/T1 Transceivers, T1/E1/J1 Transceiver, LIU/Framer, Wireless Networks, Wireless Base Station, ATM, Streaming Media Devices, Broadband Backhaul, TDM Interface, NGN Systems, Multimedia Markets, E1/T1 Transceivers Support Wireless Base Station Broadband Backhaul Growth Strategy, <http://www.wintergreenresearch.com/reports/E1%20-%20T1%20Transceivers.html>

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Companies Profiled

Market Leader

Zarlink
PMC-Sierra
Maxim / Dallas Semiconductor
IDT

Market Participants

Infineon
Mindspeed Technologies
RAD

InterPhase
Conexant Systems
Tyco

E1/T1 Transceivers (LIU/Framer) : Market Shares, Strategies, and Forecasts, Worldwide, 2011 to 2017

Report Methodology

This is the 461st report in a series of primary market research reports that provide forecasts in communications, telecommunications, the Internet, computer, software, telephone equipment, health equipment, and energy. Automated process and significant growth potential are a priorities in topic selection. The project leaders take direct responsibility for writing and preparing each report. They have significant experience preparing industry studies. Forecasts are based on primary research and proprietary data bases.

The primary research is conducted by talking to customers, distributors and companies. The survey data is not enough to make accurate assessment of market size, so WinterGreen Research looks at the value of shipments and the average price to achieve market assessments. Our track record in achieving accuracy is unsurpassed in the industry. We are known for being able to develop accurate market shares and projections. This is our specialty.

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The analyst process is concentrated on getting good market numbers. This process involves looking at the markets from several different perspectives, including vendor shipments. The interview process is an essential aspect as well. We do have a lot of granular analysis of the different shipments by vendor in the study and addenda prepared after the study was published if that is appropriate.

Forecasts reflect analysis of the market trends in the segment and related segments. Unit and dollar shipments are analyzed through consideration of dollar volume of each market participant in the segment. Installed base analysis and unit analysis is based on interviews and an information search. Market share analysis includes conversations with key customers of products, industry segment leaders, marketing directors, distributors, leading market participants, opinion leaders, and companies seeking to develop measurable market share.

Over 200 in depth interviews are conducted for each report with a broad range of key participants and industry leaders in the market segment. We establish accurate market forecasts based on economic and market conditions as a base. Use input/output ratios, flow charts, and other economic methods to quantify data. Use in-house analysts who meet stringent quality standards.

Interviewing key industry participants, experts and end-users is a central part of the study. Our research includes access to large proprietary databases. Literature search includes analysis of trade publications, government reports, and corporate literature. Findings and conclusions of this report are based on information gathered from industry sources, including manufacturers, distributors, partners, opinion leaders, and users. Interview data was combined with information gathered through an extensive review of internet and printed sources such as trade publications, trade associations, company literature, and online databases. The projections contained in this report are checked from top down and bottom up analysis to be sure there is congruence from that perspective.

The base year for analysis and projection is 2010. With 2010 and several years prior to that as a baseline, market projections were developed for 2011 through 2017. These projections are based on a combination of a consensus among the opinion leader contacts interviewed combined with understanding of the key market drivers and their impact from a historical and analytical perspective. The analytical methodologies used to generate the market estimates are based on penetration analyses, similar market analyses, and delta calculations to supplement independent and dependent variable analysis. All analyses are displaying selected descriptions of products and services. This research includes referencde to an ROI model that is part of a series that provides IT systems financial planners access to information that supports analysis of all the numbers that impact management of a product launch or large and complex data center.

The methodology used in the models relates to having a sophisticated analytical technique for understanding the impact of workload on processor consumption and cost.

WinterGreen Research has looked at the metrics and independent research to develop assumptions that reflect the actual anticipated usage and cost of systems. Comparative analyses reflect the input of these values into models.

The variables and assumptions provided in the market research study and the ROI models are based on extensive experience in providing research to large enterprise organizations and data centers. The ROI models have lists of servers from different manufacturers, Systems z models from IBM, and labor costs by category around the world. This information has been developed from WinterGreen research proprietary data bases constructed as a result of preparing market research studies that address the software, energy, healthcare, telecommunications, and hardware businesses.

YOU MUST HAVE THIS STUDY

OPPORTUNITY ABOUNDS

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E1/T1 Transceivers (LIU/Framer) Market Shares, Strategy, and Forecasts, Worldwide, 2011 to 2017

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ABOUT THE COMPANY

WINTERGREEN RESEARCH, HAS A UNIQUE RESEARCH STRATEGY THAT RELATES TO IDENTIFYING MARKET TRENDS THROUGH READING AND INTERVIEWING OPINION LEADERS. BY READING THE ELECTRONIC EQUIVALENT OF 40 FEET OF PAPER, WINTERGREEN RESEARCH SENIOR ANALYSTS CAN LEARN A LOT MORE ABOUT MARKETS, A LOT FASTER THAN CAN BE LEARNED THROUGH EXPENSIVE SURVEYS AND FOCUS GROUPS. THINKING ABOUT MARKET TRENDS IS A HIGH PRIORITY AT WINTERGREEN RESEARCH. AS WITH ALL RESEARCH, THE VALUE PROPOSITION FOR COMPETITIVE ANALYSIS COMES FROM INTELLECTUAL INPUT.

IT IS A LUXURY REALLY, AVAILABLE TO ONLY A VERY FEW PEOPLE, TO BE ABLE TO GATHER INFORMATION, LOTS OF INFORMATION FROM READING MASSIVE AMOUNTS OF CONTENT, AND THEN TRYING TO MAKE SENSE OF THAT CONTENT. THE ABILITY TO THINK ABOUT MARKET TRENDS IS ENHANCED BY DOING IT OVER AND OVER FOR MANY DIFFERENT MARKETS. THAT IS WHAT WINTERGREEN RESEARCH IS ALL ABOUT: READING AND THINKING IS AN ESSENTIAL ASPECT OF COMPETITIVE ANALYSIS. TALKING TO OPINION LEADERS IS THE THIRD ESSENTIAL ASPECT OF PRODUCING GOOD, RELIABLE DATA.

WINTERGREEN RESEARCH, FOUNDED IN 1985, PROVIDES STRATEGIC MARKET ASSESSMENTS IN TELECOMMUNICATIONS, COMMUNICATIONS EQUIPMENT, HEALTH CARE, INTERNET AND ADVANCED COMPUTER TECHNOLOGY. INDUSTRY REPORTS FOCUS ON OPPORTUNITIES THAT EXPAND EXISTING MARKETS OR DEVELOP MAJOR NEW MARKETS. THE REPORTS ASSESS NEW PRODUCT AND SERVICE POSITIONING STRATEGIES, NEW AND EVOLVING TECHNOLOGIES, AND TECHNOLOGICAL IMPACT ON PRODUCTS, SERVICES, AND MARKETS. MARKET SHARES ARE PROVIDED. LEADING MARKET PARTICIPANTS ARE PROFILED, AND THEIR MARKETING STRATEGIES, ACQUISITIONS, AND STRATEGIC ALLIANCES ARE DISCUSSED. THE PRINCIPALS OF WINTERGREEN RESEARCH HAVE BEEN INVOLVED IN ANALYSIS AND FORECASTING OF INTERNATIONAL BUSINESS OPPORTUNITIES IN TELECOMMUNICATIONS AND ADVANCED COMPUTER TECHNOLOGY MARKETS FOR OVER 30 YEARS.

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