

ELVA-1 Announces Successful Installation of Two PPC-1000 Gigabit Radio Links in Europe



ELVA-1 Millimeter Wave Division has begun offering its new PPC-1000 series of Gigabit Ethernet mm-wave links for sale in Europe. This wireless link provides a 1,250 Mbps full-duplex wireless Ethernet data pipeline that is equivalent in capacity to 512 E1 lines or 2 E5 lines in PDH. The result is terrestrial fiber equivalent performance, reliability and security, but without the high deployment costs associated with outdoor fiber installation.

St. Petersburg, Russia (PRWEB) November 17, 2007 -- ELVA-1 has installed two 71-76 GHz and 81-86 GHz frequency band PPC-1000 Gigabit radiolinks in Hungary. Giganet Ltd. and Naracom Ltd., both Internet service providers, are using Gigabit radiolinks to connect distribution centers to their national fiber optic center.

The PPC-1000 is a full-duplex Gigabit point-to-point link especially designed according to ECC and FCC requirements. It provides interconnection between remote LAN segments at ultra high speed of 1.25 Gbps and utilizes Gigabit Ethernet protocols, which is the evolving standard for switches and routers available from a variety of telecommunication equipment manufacturers. The operating frequencies include 40.5-43.5GHz, 71-76 & 81-86 GHz, and 92-95 GHz. ELVA-1 is the first manufacturer in the broadband market to offer multi Gigabit-per-second 40.5-43.5 GHz frequency band radio-links.

ELVA-1's PPC-1000 links provide an effective alternative solution for European Countries to connect their remote regions wirelessly. With a cost that is far below the average cost of outdoor fiber installation and service in urban areas, wireless mm-wave links are much more cost-effective. In addition, PPC-1000 links give nothing away to terrestrial fiber in speed and reliability of deployment, providing both big cities and small towns and villages with broadband internet access.

For different regions, Gigabit wireless Ethernet links` operating availability attains 99, 99% at 7.5 miles or 12.0 km distance, depending on the link frequency and rain intensity. The advantage of millimeter waves is that they allow more densely packed communications links, thus providing very efficient spectrum utilization, and they can increase security of communication transmissions. Such types of radio-links are equipped with SNMP management function, which allows the remote control of PPC-1000 links sent from a central location.

Recent European regulations CEPT channel plan (ECC Recommendation(05)07) for 71-76GHz and 81-86GHz frequency bands radios opens EU wireless fronthaul, backhaul and network extension markets for point-to-point fixed wireless systems (FWS). The licensing process in different EU states is not unified yet, but inclines to light licensed basis, using a registration system with an interference protection date to establish priority in the band and e-enabled link registration process and almost free of charge License fees - like in UK(£50 per link).

Radio-links are supplied with antennas of 30, 45, 60 or 90 cm diameter. Antenna's diameter determines operating range of radio-link within its frequency band limits.

PPC-1000 equipment has been offered as a comprehensive link kit with antennas, mounting units and accessories to allow a turnkey installation into the customer's communication system.

To attract attention of European countries to this new outstanding equipment, ELVA-1 announces a special "E-band GigE Radios" promotion. During this promotion the list-price for PPC-1000-E Gigabit Ethernet links with 60 cm antennas abates to as low as 23,900 Euros. More over, if a customer will accept PR conditions that vendor will have rights to publish information regarding tests and usage of the radio by this customer, ELVA-1 is ready to supply one Gbps link at just 50% of list-price! During the promotion, PPC-1000-E Gigabit Ethernet links are available through the ELVA's VARs in many EU countries who are responsible for local sales/support and placing orders to the vendor.

Using of the unique signal modulation technology allowed ELVA-1 to develop new 10 Gigabits-per-second radiolinks of 71-76 & 81-86 GHz frequency bands.. They were successfully tested on December, 2006 and have already proposed by ELVA-1.

Its fiber-class data rate, ease of installation and affordable cost make the PPC-1000-E an ideal solution for WiFi or mobile network backhaul links, business WAN or IP telephony gateway connections, metropolitan area networks and rapid-deployment emergency communications.

Vladislav Kravinskiy, ELVA-1 representative in Hungary (VisData Ltd company) states: "We consider ELVA-1 Gigabit Ethernet links to be reliable and hi-tech radiolinks, largest Hungary Internet providers were interested in for many years. In summer 2005 our company organized microwave equipment presentation in which Giganet and Naracom Kft also took part. Our customers were very pleased to buy and operate in Europe Wireless Gigabit Links for half price."

To learn more about ELVA's PPC-1000 series of Gigabit Ethernet mm-wave links, please visit www.elva-1.com or contact sales@elva-1.com

About ELVA-1 Millimeter Wave Division
Founded in 1993, ELVA-1 Millimeter Wave Division is a privately-held, internationally renowned manufacturer of millimeter wave integrated components, subsystems and test equipment. In 2000, ELVA-1 began aggressively expanded its product range into millimeter wave telecommunications products, such as 42GHz, 70/80 GHz and 94GHz transmitters and receivers, high gain antennas and other advanced wireless communications products. A complete overview of ELVA-1's capabilities can be viewed at www.elva-1.com.

About VisData Telecommunication Ltd
VisData Telecommunication Ltd. has more then 10 years of successful functionality in Internet service and Information Technologies in Hungarian Market.
Firm's basic directions in activity filed:

- Satellite networks and liaison channels between objects , satellite channels in global networks, access units for internets-providers;
- Equipment Design, delivery and installation, providing professional service to wireless communication and data transmission systems;
- Systems of satellite access to the Internet and IP-telephones, corporate satellite networks, systems of video observation and the control;
- Systems of the combined access to the Internet through the satellite, the allocated channels the Internet, systems of video observation and the control.

To learn more about VisData Company please visit www.vis.hu