

**Agilis launches New
VSAT Transceiver, Microwave Digital Radio,
Block Up Converter and FlyAway System
at CommunicAsia 2002**

(18 – 21 June 2002, Singapore Expo, Hall 5, Booth No 5L2-01)

Singapore, 5 June 2002 – Agilis debuts **new products** at CommunicAsia 2002

- *Hybrid Radio Frequency Transceiver*
- *Block Up Converter*
- *60 GHz AMMR Series Digital Radio*
- *Multi-Channel Multi-point Distribution System*
- *FlyAway System*

Agilis Communication Technologies Pte Ltd (Agilis) is a specialist in the design, development and manufacturing of microwave and RF products that are of outstanding quality. It is an established name in satellite communications and provides a full range of high performance and reliable VSAT products, Microwave Digital Radios and Satellite Communication solutions.

At CommunicAsia 2002, Agilis is launching a range of new products.

Hybrid Radio Frequency Transceiver uses a single RF Transceiver (RFT) to send signals originating in at least two different frequency bands. Signals in the first frequency band are sent for transmission without conversion, and signals in all other frequency bands are converted to the first frequency band before being sent to the RF transceiver. In this integrated unit, two different frequency systems (such as, for example, 70 MHz and L band) can be combined into the same RFT, resulting in cost reduction and enhanced system performance in the C or Ku band. Reliability also increases as there is lesser number of components used with a single L band RFT at the output.

Agilis' **Block Up Converter (BUC)** in both C-Band and Ku-Band, is a highly cost-effective RF Transmitter for Satellite Communications, suitable for use in data and voice communications, Satellite IP network, SCPC network configurations, *MCPC*, *DAMA* as well as *TDMA* applications. It comes with a full range of output power ranging from 1MW to 100W. Easy to install, it is redundancy-ready and field-proven for any harsh operating environment.

60 GHz AMMR Series Digital Radio, part of the AMMR series is a millimeter wave Digital Radio that employs the 60 GHz unlicensed frequency band. It comes with various transmission capacities (4E1 to 16 E1) for different PDH applications in public and private networks. Based on the 60 GHz oxygen absorption band, the AMMR has wide applications in short-haul communications such as secure short-haul link or last-mile access network. Designed for easy and quick installation, it is highly suitable for quick deployable network applications. Agilis' millimeter wave radio employs state-of-the-art millimeter-wave MMIC for low noise LNA and high power SSPA for the RF-front-end. In addition, with the internal low phase noise DRO, it enables the system for various modulation format such as QPSK or QAM.

Features & Benefits

- Split ODU and IDU construction
- Remote M&C
- Secure short haul link and last mile access link
- Fixed cellular solution - such as LMDS

The **Multi-Channel Multi-point Distribution System (MMDS)** subscriber radio units and base radio station are available in 3.5GHz band. It operates in Frequency Division Duplex between subscriber unit and Base, and the system is suited to TDMA transmission. This radio unit provides a wireless link for wireless broadband connectivity system. A single IF interfacing cable carries a multiplexed IF, Power supply, M&C signal and a single antenna for both Tx & Rx. This is connected by one RF cable to the antenna simplifying the installation process. This Point-to-Multipoint (PMP) system is best suited to meet users' requirements for broadband, high-speed solutions at a low cost. Additionally, the IF interface can be made to meet users' specifications.

Main Features

- Compact

- High speed
- Reliable
- Easy to install

Agilis latest FlyAway System is a highly reliable and cost-effective solution for emergency, disaster recovery, public security and homeland defence application. Weighing less than 140kg, the whole system comes in 4 transportable carrying cases. It can be set up with just 2 men in less than 30 minutes. It provides full bandwidth video, voice, data and an unique radio interface; enabling instant real-time command and control function between remote sites and command centre.

About Agilis

Incorporated in 1991, Agilis has progressed far, starting out from producing phase-locked, dielectric resonator oscillators (PL-DRO) and Low-Noise Block-down Converters (LNB) to being a specialist in the design, development and manufacturing of VSAT Outdoor Units (ODU) that are of outstanding quality. Agilis is a wholly owned subsidiary of Singapore Technologies Electronics Ltd, which in turn is part of the Singapore Technologies Engineering Group, the largest engineering company listed on the Singapore Exchange.

Agilis provides off-the-shelf VSAT sub-systems and other products such as :

- ODU, covering C, Enhanced C, Ku and Full-Ku Bands
- BUC, covering C and Ku Bands
- Solid State Power Amplifiers up to 200W
- Up/ Down Converters
- Hybrid Terminals providing both L-Band and 70 MHz interfaces
- Fly Away System
- Redundancy Systems
- Motion Sensors

Our telecommunication capabilities are particularly advanced, with special expertise in providing network integration and turnkey communication solutions and services for specific telecommunication systems using satellite, microwave radio and optical products, enabling clients to deliver quality service to their customers. Our solutions are designed to work seamlessly with various enterprise protocols, eg. IP, ATM, or Frame Relay, meeting the most stringent requirements for fixed, land mobile and marine communication systems for voice, video conferencing and Internet services.

Agilis offers customisation services to meet specific needs and requirements, delivering state-of-the-art products that enable transmission of crystal clear voice quality, blazing fast data exchange and razor sharp video images for our customers. Our has a fully equipped facility, that houses the latest R&D and production facilities to continually produce high quality products that fully satisfy the stringent requirements in operating and managing global networks.

Visit us at www.agilis.st.com.sg for more information.

"Product photographs in digital format are available upon request to:
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