

## **TTPCOM LATEST TRIBAND MODULES TO DELIVER COST-EFFECTIVE MATRIX LOCATION FUNCTIONALITY FROM CPS**

**(Cambridge, UK, 12 January 2005)** TTPCom Ltd, the world's leading independent supplier of digital wireless technology, today announces that its triband GSM/ GPRS wireless modem module designs are now available with high accuracy location functionality based on Matrix technology from CPS (Cambridge Positioning Systems Limited). The integration of CPS' award-winning Matrix location software provides a cost effective method of delivering fast and accurate location fixes.

TTPCom's flexible and compact ITM338 and ITM339 modules are designed to fit a wide range of applications within the rapidly growing machine-to-machine (M2M) and consumer markets. Each module meets all operator and regulatory requirements and uses the same high quality silicon and software that the world's leading manufacturers rely on.

The integration of CPS's Matrix location technology enables the modules to be rapidly located to an accuracy of sub-100m. The modules use the existing GSM network infrastructure to transfer location information to the network using standard GPRS or SMS. This greatly reduces the rollout costs traditionally associated with high accuracy mobile location technology. Matrix will also work effectively indoors and in urban environments where satellite-based systems fail to perform and, because Matrix integration requires only a software upgrade to the mobile device, this technology provides cost and size advantages over GPS solutions.

Chris Wade, Chief Executive of CPS said: "Operators around the world are actively evaluating and selecting Matrix as the location technology of choice for GSM. The availability of these new Matrix-enabled devices offers more choice to the market and significantly lowers the cost of entry for end users seeking high accuracy location capability to support corporate and enterprise services. This new development will also further strengthen our relationship with TTPCom and we look forward to working closely with the company on the significant new opportunities that are now emerging."

Stephen Larder, MD of TTPCom's module business adds: "Our GPRS technology is considered by many to be the best in the market as it has been adopted in a broad cross section of leading products world-wide. We are delighted to be able to enhance the functionality of our already popular module designs to enable new market opportunities. In particular, our Matrix-enabled modules address needs where previously the high cost, complexity and power-consumption of GPS-based solutions has greatly limited the adoption of location based applications."

The modules will be showcased at the 3GSM World Congress 2005 in Cannes in February where both TTPCom (stand no A3) and CPS (stand no.C21) are exhibiting.

Potential uses for these new devices include:

- discreet tracking devices for vehicles for both personal safety and logistics
- tracking of 'at risk' individuals including workers, children and security personnel
- resource tracking of high value devices including laptops and cargoes

### **About Cambridge Positioning Systems**

Cambridge Positioning Systems Limited (CPS) is the key enabler for high accuracy location in the GSM wireless world. Our innovative Matrix products - based on standardised E-OTD technology - allow network operators and enterprises to develop new services that improve the safety of their customers and deliver profitable applications.

CPS' Matrix technology - winner of the Frost & Sullivan Customer Value Award 2004 - is a unique software-only solution that combines sub-100m accuracy with rapid location time-to-fix and consistent performance across outdoor and indoor environments. Easy to deploy, Matrix requires software-enabled standard GSM devices and network server.

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#### **About TTPCom**

Headquartered in Cambridge, UK, TTPCom Ltd. is the principal operating subsidiary of TTP Communications plc (LSE: TTC). The company develops intellectual property used in the design and manufacture of wireless communication terminals. TTPCom licenses its technology to leading semiconductor and terminal manufacturers worldwide, including Analog Devices, Intel, LG, NEC, Renesas, Sharp, Siemens and Toshiba.

TTPCom has established a world leading position with its GPRS, EDGE and 3G protocol software; offers rapid customisation of handsets through its AJAR applications framework; and for those manufacturers for whom a fast time to market is critical, TTPCom also offers complete handset and module designs. More than 30 million devices using TTPCom technology were shipped during 2004. More information can be found on TTPCom's website at: <http://www.ttpcom.com>.

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