

# Press Release

## *RTcom™-IP Internet Gateway for Serial Devices Internet Enable Electricity Meters, Data Loggers & Outstations*

The Radio-Tech Limited RTcom™-IP Internet Gateway enables legacy serial communicating devices to talk using modern state-of-the-art GSM, SMS or GPRS cellular communications without need for modification.

The breakthrough has come from the introduction of our solid-state IP-Stack imbedded into the Gateway. The stack is totally operating system free and hence, is immune from virus attacks and system instabilities. Hard coded on a RISK CPU, the stack is comparatively low in cost yet high in reliability.

Serial data entered into the Gateway is encapsulated into data packets following the pre-selected transfer media. For example SMS text messages can be formed with the data imbedded in between a header and check sum and sent to a chosen single or multiple target address. With e-mail the same applies whilst with HTTP and FTP complete data files are transferred using the respective protocols.

### **Automatic Destination Addressing**

Normally it is difficult to convert dumb serial devices, such as Electricity meters into one that is Internet enabled. This is not the case when using the – Gateway. The Gateway can add an http address such as an e-mail address append a telephone number or a SMS text destination. It can even generate Hays AT command sequences for direct GSM to PSTN connection.

### **Automated Wakeup against an Event or Time**

The –Gateway can contains a real time clock and 4-optically isolated inputs that can be used to trigger the read cycle from dumb terminals.