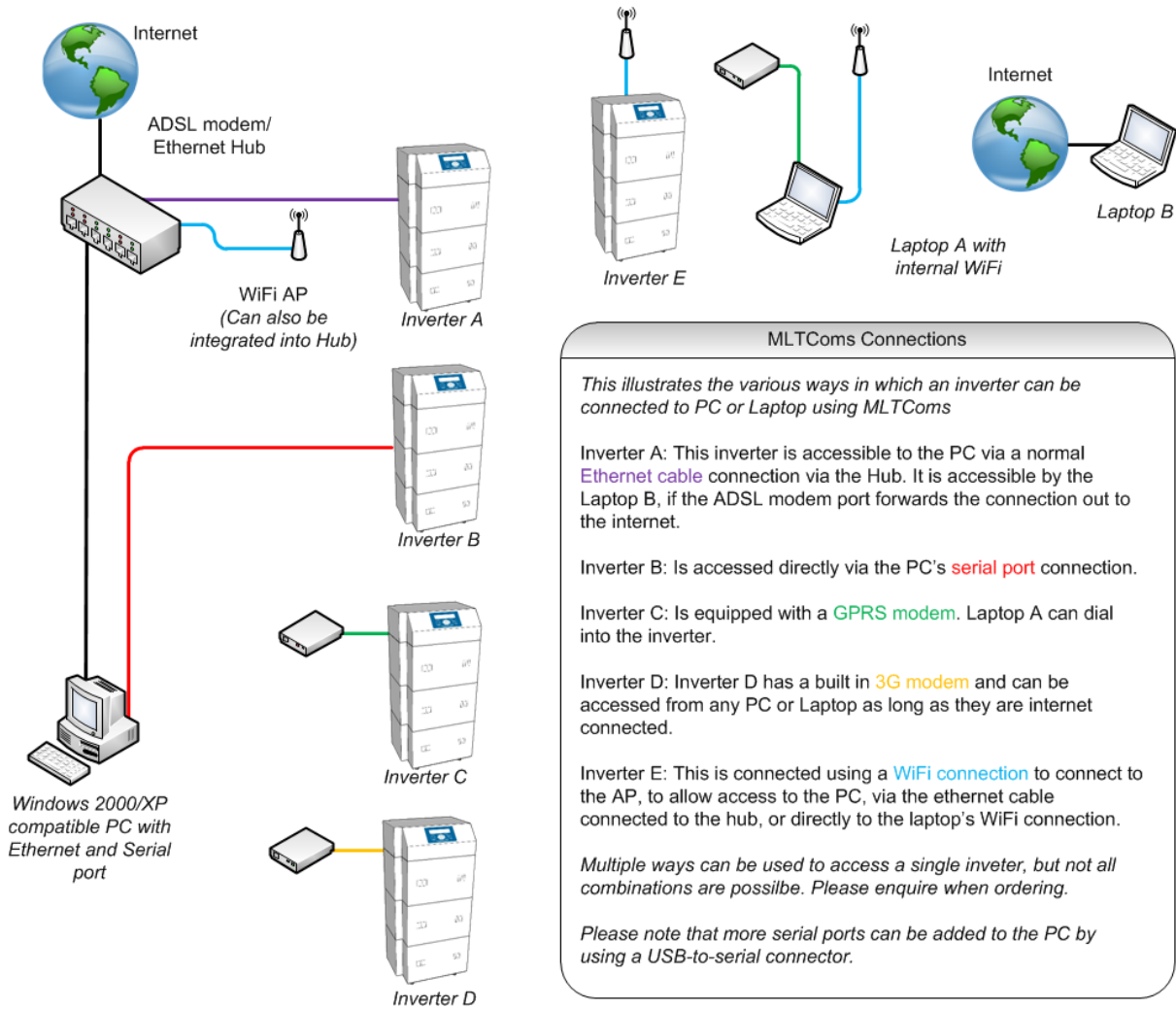


MLT SCADA SYSTEM

Connection methods for the MLT SCADA system



The MLT PowerStar uses *Modbus RTU* as a standard interfacing protocol. It is amongst the most commonly used protocols of connecting industrial electronic devices, and is widely supported by Supervisory Control and Data Acquisition (SCADA) systems.

The MLT Coms communications suite of the PowerStar inverter allows the user to obtain real time information about the PowerStar system from a remote location.

The software component of the system is called MLT Coms. The software will run on a PC with the Microsoft Windows operating system.

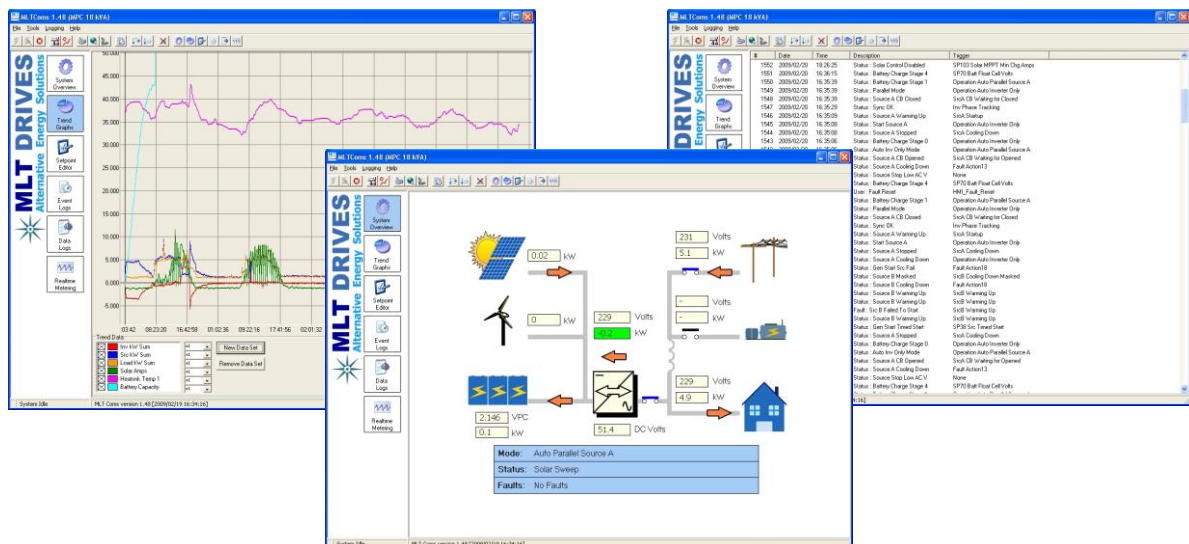
The communication system consists of both specialised hardware and computer software. This hardware needs to be installed before delivery.



The following table lists advantages and disadvantages of the hardware that can be installed within the PowerStar.

	Disadvantages	Advantages
Serial (RS232 and RS485)	PC needs to be physically connected on site.	Cheap.
Ethernet/WiFi	WiFi prone to interference.	Cheap if site is already internet connected.
GPRS Modem	Expensive running costs, since you pay for each call.	Can connect anywhere in ZA via dial-up. Very secure.
3G Web Interface	First year free, minimal yearly cost thereafter.	Connectable anywhere in the world with Flash-enabled browser. Data is cached on server.

The MLT Coms Software Package



MLTComs has the following features:

- ✓ Realtime control of Inverter functions
- ✓ Setpoint editor
- ✓ Realtime Metering
- ✓ Historical Event browsing
- ✓ Plotting of historic graphs

Further information and the software itself is available from our website <http://www.mltdrives.com>