

The InvisiConnect™ Communications and Control System Why It Really Is Your Best Value!

1. Security – Metretek’s InvisiConnect™ cellular TCP/IP modems operate as clients and not servers. Not only less costly, this approach means you’ll never see a “Trojan Horse” sneak into your network because your field asset was hacked. With InvisiConnect, you have only one server to manage within your corporate enterprise and it will support thousands of secure clients in the field. The InvisiConnect system provides additional security features such as:

- A customer defined, unique Server (destination) IP port number on which only InvisiConnect Server will be listening...changeable over-the-air.
- A customer defined, unique Client (source) IP Port which can be used to provide security filtering/intruder denial at both the corporate firewall and InvisiConnect Server itself...also changeable over-the-air.
- Triple DES Login procedure denies intruder access to InvisiConnect Server.
- Once the InvisiConnect link is established, user data is wrapped in Metretek's, non-public domain, MIP protocol layer, thus creating VPN functionality.

Since InvisiConnect is an end-to-end communication system, in addition to security, your application benefits from extensive diagnostics, traffic measurement and record keeping that is **simply not available from single-ended solutions**. This information is continuously recorded and can help you reduce communication cost by increasing efficiency or aid in purchasing/billing issues with your chosen cellular carrier.

2. Enables Field Technicians - InvisiConnect can be used with the application software specific to field assets. Using a traditional “dial-up” fashion this capability will provide field techs with connectivity to the assets for diagnostics, configuration management, etc., just as they have done with wire phone lines, analog cellular and other traditional methods.

3. Low Cost and fast install due to minimal requirements for interface with the wireless carrier. No need for additional carrier services (i.e. static IP addresses for devices, custom network routers or private circuit connections between the carrier and the customer). And over-the-air programming of client modem operating parameters speeds start up, overcomes mistakes and eliminates extra trips to the field. In addition, InvisiConnect’s Serial Multiplexer option provides connectivity to 2 assets using a single CDMA18 or GSM20 client modem.

4. Report by Exception with Alarm Forwarding – The InvisiConnect system can be used to monitor ("report by exception") conditions of the field assets and equipment. Examples could include power outage detection or intrusion detection. In fact, once the InvisiConnect link is established, InvisiConnect server can perform searches of the user data packets and look for specific information which would indicate a problem. Alarm text messages can then be forwarded to mobile phones or email in real time. The InvisiConnect Client Modem has 4 contact closure alarm inputs to monitor conditions external to it...as well as 2 outputs with feedback for on/off control of other devices.