



WestermoConnect

*Industrial M2M Remote Connectivity
– Made Easy*



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The Benefits of Remote Access

Companies who invest in remote access technology quickly realise the full benefits and potential that a fully flexible service such as the WestermoConnect can offer. The economic benefits of reducing fuel cost, hours travelling to and from an installation and overnight expenses mean there is a quick return on the investment. The remote systems can be connected 24/7 or on demand as required over the Internet. Using secure network tunnels to the remote site, accurate trending and alarm information can be gathered. The information can be used to pre-empt a system failure and allow maintenance to be carried out in an orderly and cost effective way.

Service support or diagnostics can be carried out from any location with Internet access, for instance WiFi hot spots, via 3G mobile networks or a home broadband connection. This allows for more efficient working practices and saves on time and costly travelling expenses.

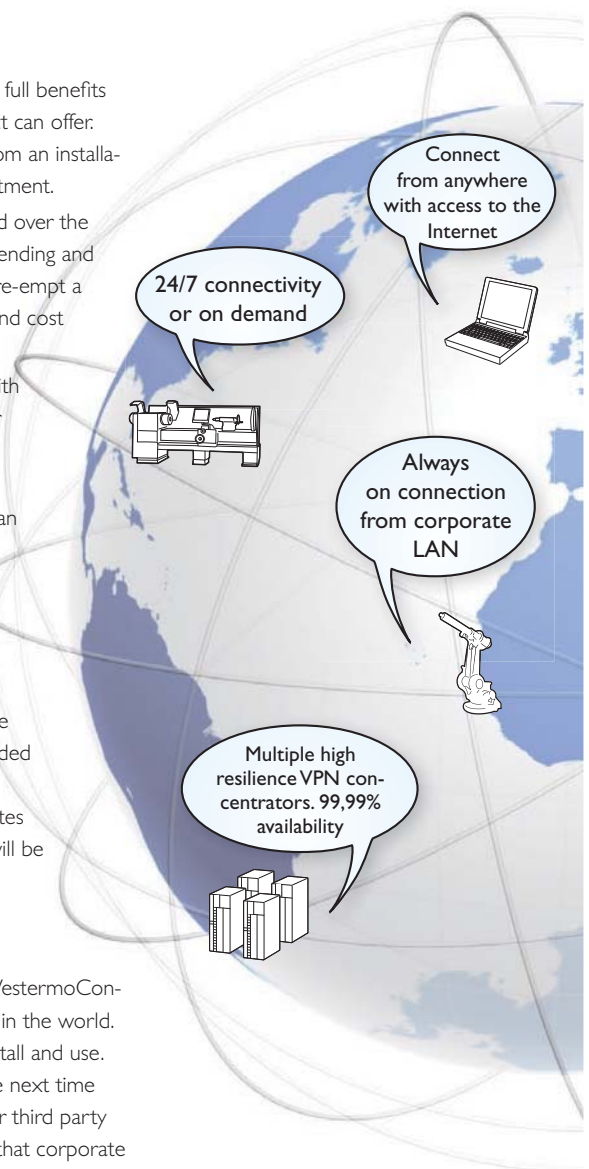
The improvements to customer service can be dramatic and can give an organisation the edge over the competition. Using remote access it is possible to show a reduction in "Carbon Miles". This is now becoming a major factor when tendering for support contracts.

Made Easy

The WestermoConnect service has been designed to be as easy to use as possible. The user client and site configurations are simply downloaded from the web so there is no dedicated software requirement. Once a client has been loaded onto a user machine there are no further updates required. New sites are automatically added to the access table and will be available for use.

User Access

A free to install and use client software enables a user to access the WestermoConnect VPN concentrator from any point with Internet access, anywhere in the world. The client is firewall friendly and requires zero configuration; simply install and use. The client is automatically updated with any new sites on the fly, or the next time a user logs on. The WestermoConnect service is compatible with other third party client software such as Cisco, Juniper, TheGreenBow etc. This ensures that corporate policy requirements can be maintained. For quick, on the move access, the Apple



“The Westermo-Connect service is as simple to use as you want it to be or as large and featured as you will ever need it to be”.

iPhone is directly supported, allowing Internet access using Safari or a suitable App (not supplied by Westermo).

Remote Machine Connectivity

The combination of the WestermoConnect service and the Westermo product range make for an extremely flexible product solution for any remote access scenario. Access to a remote location can be from any service provider over any media i.e. ADSL, VDSL, 3G/GPRS or a LAN already present on the remote site. The only requirement is that there is access to the Internet. There are no geographic or country restrictions; machines or remote system can be located anywhere in the world!

Security

The WestermoConnect solution is based on secure VPNs throughout, delivering the highest level of security currently available. The VPNs are encrypted using “Strong” encryption algorithms such as AES 128-256 bit or Blowfish and can be certificates or pre shared keys (PSK). Security at the remote site can be enhanced by the in-built inspect state firewall.

Legacy Serial Support

For customers with a mix of legacy serial and Ethernet equipment, the majority of remote access devices supplied by Westermo are equipped with in-built serial ports. This means that legacy serial protocols such as Modbus RTU/ASCII, Allen Bradley DF1, Mitsubishi Melsec, Schneider Uni-Telway and many others can continue to be used.

Dial-up and Leased Line Replacement

Using the combination of the WestermoConnect service and units from the Westermo product range, legacy analogue and ISDN point to point, point to multipoint leased lines or AT dialup communications can all be replaced. This is becoming an increasing issue around the world as the telecoms providers withdraw support for legacy leased line services. See the Westermo “Leased Line Replacement” white paper for more details.

Scaleable Solution

A free to use, unmanaged service will allow users to start to realise the benefits of remote access. As the requirement grows, fully managed packages are available, starting at 10 concurrent machine connections through to 2000+ connections. The level of resilience and security is the same for all users, regardless of the number of connections.

System Integrity

The WestermoConnect system is maintained on multiple VPN concentrators, located at three different data centres. The VPN concentrators are all redundantly interconnected to each other via high capacity fibre links. The system has been designed to be available 24/7 with a better than 99.99% availability.





WestermoConnect Service	Multiple resilient server centres, geographically diverse locations, maximising service availability
VPN	Open VPN & IPSec (product dependant)
Encryption	3DES,AES, Blowfish ,SHA1, MD5, Certificates (product dependant)
System Management	SNMP V2c, email alerts, extensive logging and diagnostics. All mobile routers support SMS VPN on demand
VPN Client	Free SSL Client, (HTTPS port 443) (Open VPN 1194) 5 to 50 concurrent clients (more can be added on request) depending on agreement level
Compatible Hardware	ADSL: DR-250, DR-260 VDSL: Falcon GPRS: MR-200 EDGE: MR-210 3G/HSDPA/HSUPA: MR-250, MR-260, MR-270, MRD-310, MRD-330 Remote LAN Router: Redfox, Lynx+ 210
VPNeFree	3 connections maximum, 1 concurrent client, no management
VPNe10	Up to 10 site-to-site VPNs 5 concurrent remote SSL VPNs + Management
VPNe100	Up to 100 site-to-site VPNs 20 concurrent remote SSL VPNs + Management
VPNe250	Up to 250 site-to-site VPNs 20 concurrent remote SSL VPNs + Management
VPNeXXX	For larger system contact Westermo
Topologies	One to many (user client to remote machine) Many to many (all site exchange data) Point to point (leased line replacement) Point to multi point (multidrop leased line replacement)



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