iAdaptor ™

iAdaptor, M2M's proven data gateway hardware handles the collection, storage, and communication of data from the remote facilities. The iAdaptor is being used in a number of business critical industrial applications where high availability, predictable performance, and the ability to hold up to rugged remote environments are key.

The iAdaptor (as with all M2M products and services) is backed by M2M's Service Level Guarantees.

→ Connects to Internet using standard protocols & services (TCP/IP, UDP, HTTP, PPP, DHCP, etc.) & physical interfaces (e.g. RS232).

→ Supports a wide range of Internet communications media including: landline (dedicated and dial-up), Ku band VSAT, spread spectrum radio, digital cellular, Cellemetry, Aeris, analog cellular (AMPS), & two-way paging.

→ Supports dial-up ISP connectivity.

→ Supports a wide range of meter communications protocols.

→ Supports a wide range of device interfaces (e.g. analog, digital, pulse, RS232, and RS485).

→ Interacts with meters (generally poll as master) to collect data.

→ Encapsulates native data in TCP packets & transmit to server.

→ Receives TCP encapsulated native data from server & retransmit to field device using device protocol.

→ Remote configuration of polling table & other parameters.

→ Remote debugging.

→ Supports encryption of data transmitted to server.

Meter Adapter

Installed in the field in proximity to customer devices (meters, switches, etc.) to collect data using the Internet via the Internet.

SCADA

Converts proprietary remote terminal units for Internet-based SCADA applications.

The iAdaptor includes:

→ Input/output modules required to interface with customer devices

→ Integrated signal conditioning

→ Industrial grade modem for an ISP connection

→ Connection interruption handling

→ Integrated security

→ Reliable serial and analog interfaces to the controllers

→ Appropriately shielded cabling

→ Optimum placement of the iAdaptor at the controllers (or within maximum distances feasible for the specified connections)

→ An enclosure appropriate to site conditions.

Please contact us for more information:

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