iGateway™, M2M's proven data gateway handles the collection, storage, and communication of data from remote facilities.

The iGateway 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.

iGateway supports numerous protocols and interfaces directly to field instruments, electricity meters, equipment control panels, EFMs, RTUs and PLCs. Simply c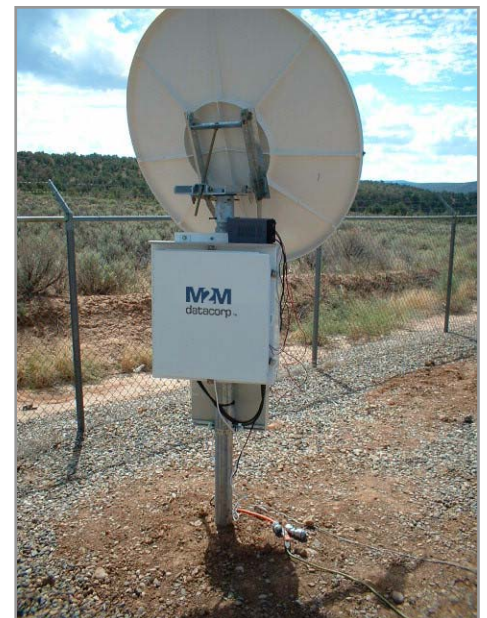onnect iGateway to the existing equipment to be monitored or controlled via Ethernet, serial, analog, digital and KYZ connections. Once powered up, iGateway connects to the M2M Data Center automatically eliminating the need for costly on-site programming.

iGateway incorporates reliable industrial hardware with a Pentium class processor and robust embedded OS. M2M application software handles all communications, data processing (including report-by-exception) and security.

The nature of M2M's unique web based approach enables remote diagnostics and software maintenance.

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

▸ Rugged, platform solution enables drop-in monitoring and control in the most demanding field environments

▸ Available in several configurations (with options) to accommodate nearly every requirement

▸ Fully integrated and pre-tested

▸ Remotely configured by M2M from NOC

▸ Fixes and upgrades performed remotely by M2M from NOC

Features

The iGateway includes:

▸ Supports wide range of device protocols including industry standards such as MODBUS & DF1

▸ Input/output modules required to interface with customer devices

▸ Integrated signal conditioning

▸ Power conditioning (DC and AC powered versions available)

▸ Optional industrial grade modem for ISP connection

▸ Connection interruption handling

▸ Integrated security

▸ Reliable serial and Ethernet interfaces to controllers

▸ Appropriately shielded cabling

▸ An enclosure appropriate to site conditions

▸ M2M also provides a complete range of communications options as part of a turnkey service, incl:

  • Satellite
  • Terrestrial (dial-up, GPRS, CDMA, etc.)
  • Radio
  • Microwave

Options

▸ NEMA 4 and 4X enclosures

▸ Solar power systems