**M2M datacorp** ™

For man-to-machine, machine-to-machine, and mobile-to-machine device networks, managing large-scale, robust infrastructure can be a huge undertaking.

M2M provides a **fully managed device-networking infrastructure** for M2M **smart fields**, **SCADA**, and related **remote monitoring and control** solutions. These services form the basis of the best guarantees in the business, and allow our customers to bring their remote assets online immediately - without the burden of building and maintaining device networks, communications, and application infrastructure.

World Class Data Center

The core of M2M's infrastructure is a world-class data center at the heart of the U.S. telecommunications industry, in Denver, Colorado.
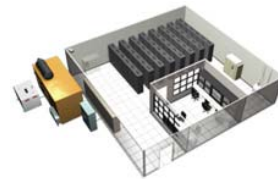
This highly scalable facility provides large volume data processing and analysis and ensures physical security of the servers, a clean, temperature controlled environment, redundant regulated power, and multiple connections to the Internet.

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Network & Communications	→	10 Tier 1 upstream providers and intelligent routing around congested public exchange points
	→	Multiple, redundant OC-3 and Gigabit Ethernet connections and private peering points to alleviate packet loss and speed connectivity
	→	24/7 NOC supported availability for mission critical applications
Physical Security	→	24/7 card key access, hand-scan systems, thumb print scanners
	→	Intercoms, security cameras, pin code with picture IDs
	→	Closed-circuit video monitoring & recording
	→	24/7 on-site staffed NOC and security staff
HVAC	→	AC units to keep environment at constant temperature and humidity
	→	Anti-static raised flooring with designated cable runs
	→	Cooled air delivery
Power	→	Multiple power delivery units and UPS
	→	Backup generator and battery backups with chargers
	→	ATS (Automatic Transfer Switch) and ATO (Automatic Throw-Over) to switch between Public Service grid and generator
Environmental Design	→	VESDA smoke detection and FM200 Fire Suppression
	→	Two-stage pre-action dry pipe sprinkler system
	→	Pull box stations near grids
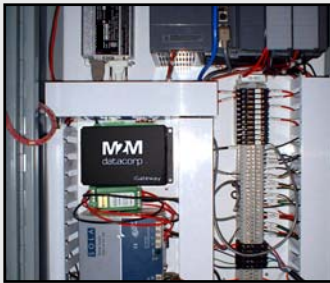
Robust Network Security

M2M follows a layered, defense-in-depth network security model using U.S. National Security Agency guidelines, knowledgeable, experienced IT professionals, and industry networking best practices.

→ **Availability:** System up time is maintained at the highest levels through physical security, redundancy, network protection (firewall, IDS, etc.), hardened OS, and ongoing security audits.

→ **Integrity:** M2M ensures data is not modified or corrupted through use of encrypted data signatures, authentication, reliable storage (RAID5), reliable network (redundancy), CRC, and physical and logical restricted access.

→ **Confidentiality:** M2M ensures restricted access to data through use of encryption (SSL – RSA 1024/3DES/MD5, VPN – LPTP, or IPsec), login/password, PKI & biometrics (optional).

24/7 Reliability and Support

M2M's operating facilities are managed by a state of the art network operation center (NOC), where skilled IT professionals and engineering staff track critical components of our customers' field hardware and our own network health. The NOC ensures that M2M guaranteed service levels are maintained, and provides 24x7 network monitoring support, proactive alerting, automatic recovery, backup, and event escalation procedures to maximize system availability and service for our customers.

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