Swisscom Machine-to-Machine (M2M)

Connectivity Management Platform

What is Swisscom M2M Connectivity Management Platform?
– Communication between objects.
– Application examples: location, alerting, remote monitoring, remote measurement, remote control, remote maintenance.
– Automated processes, programming interface (API) and multi-tenant enabled M2M portal.
– Secure data access, geo-redundant data center and gap-free communication at home and abroad.
– Global roaming with over 650 mobile providers.

How you benefit
– **Flexibility:** You procure an M2M communication solution that is tailored to your needs and processes.
– **Costs:** You optimise your processes, reduce your costs and benefit from individual subscriptions and pricing models.
– **Security:** Thanks to high security standards, you avoid SIM card misuse or malfunctions on M2M mobile devices.
– **Service:** You can count on automated processes for the procurement and management of SIM cards and manage these easily in the M2M portal.
– **Availability:** You can rely on a highly available M2M portal and always communicate on the best mobile network – in Switzerland and worldwide.

Use M2M communication solutions – securely, reliably, globally.

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M2M Connectivity Management Platform
Facts & Figures

Connectivity Management Platform (CMP) – Connectivity	CMP Basic	CMP Advanced In addition to CMP Basic options
SIM card format	Standard SIM (2FF)	Solderable M2M SIM Chip (SON-8)
		Robust SIM (Plug85)
		Plug-in Micro SIM (3FF)
		Plug-in Nano SIM (4FF)
	Static Pin (Active or Inactive)	Customized Pin
	Standard text on SIM card	Customer text on SIM card
Connection	Data (GPRS, EDGE, UMTS, HSPA) and/or SMS	Voice Calls (emergency only)
Roaming	Roaming enabled or disabled	Customised roaming profile (e.g. EU only)
Mobile access point	Public Internet APN Dynamic IP addresses	Personal Internet APN (Firewall profile)
		Secure Internet APN (VPN tunnel; static IP addressing)
		LAN-i APN
SMS Gateway		SMS Gateway over short number (Short-ID)

Management

Solution management	M2M Portal (HTTPS), Multi-tenant capability	Programming Gateway API (SOAP/XML)
	Availability-check of all services	
	Ordering and inventory of all connections	
	Move/add/changes	
Operating status	Real-time usage (Data and SMS)	
	Automated alerting at erratic behaviour of the SIM cards (e.g. exceeding limits)	
	Automated device blocking at abuse	
	Real-time diagnostics tool for debugging attempts	
Reports and statistics	Daily and monthly usage reports	Individual reports on request
	Billing records	
	Inventory records	

M2M tariff and SLA

Charges	Monthly SIM charge with fixed datapools (1MB up to 20GB/SIM)	Monthly SIM charge with individual data or SMS-Pools
	Easy and short bill	Free factory test: delayed billing of the monthly charge
	Fixed pricing list	Project prices
SLA	Technical and admin support 8-18CET Monday-Friday	Individual portal training
	Online service requests over M2M portal	Optionally: 24/7 technical support
	Portal training on request	

Requirements

Mobile Device	GPRS/EDGE-or UMTS/HSPA compatible
Internet access	Permanent access to application server with fixed IP address

Application examples

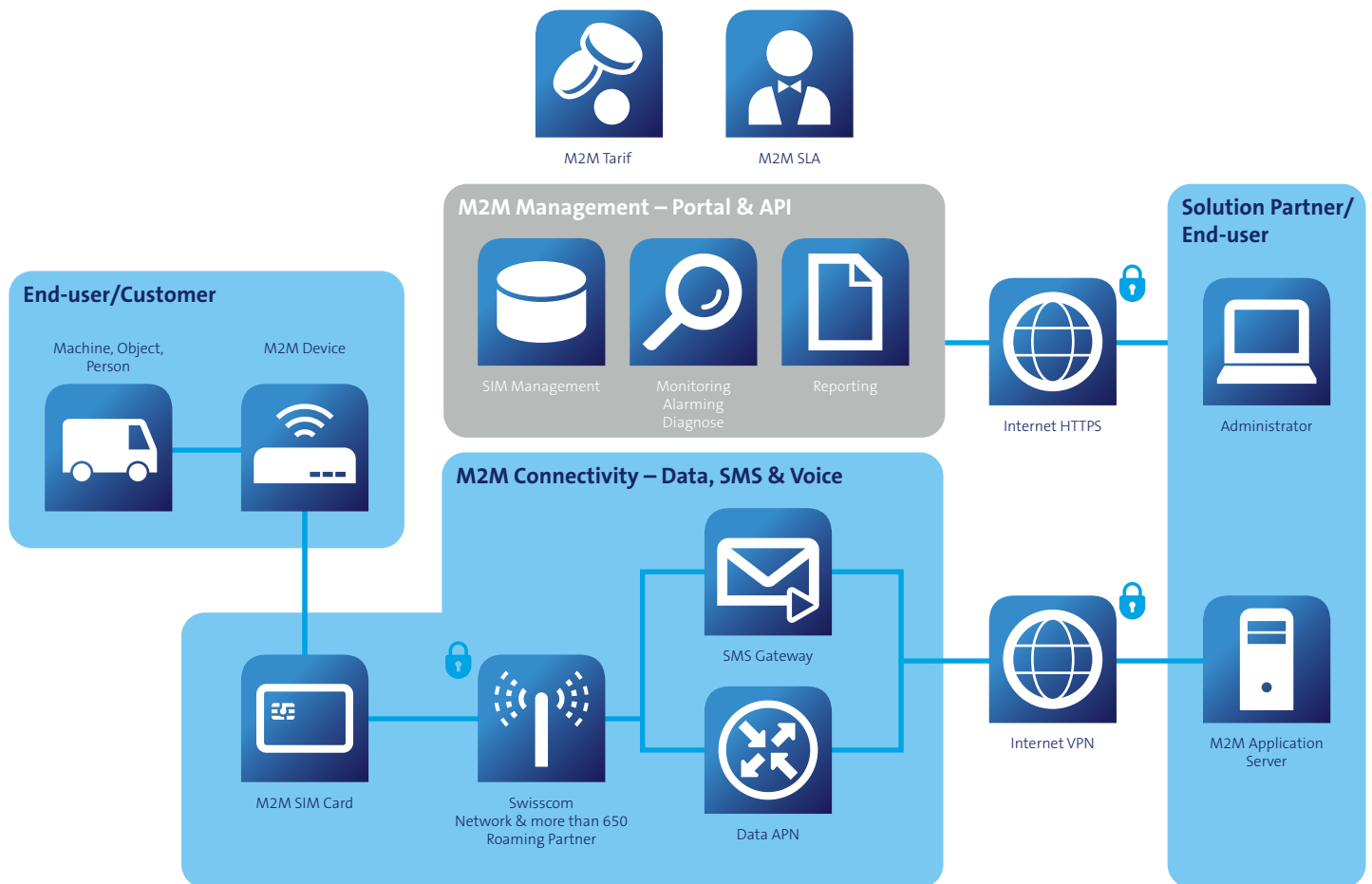|	
Positioning/Info Mobility	Traffic jam information on navigation devices, fleet management, stolen vehicle etc.
Remote monitoring/alerting	Of buildings, vehicles, animals etc.
Remote measuring/export	Of data such as water level, oil level, electricity metres etc.
Remote control/ maintenance	Of industrial machines, coffee machines, robots, vending machines, etc.

Further information can be found at www.swisscom.ch/m2m

M2M Connectivity Management Platform
Facts & Figures

M2M Tarif

M2M SLA

M2M Management – Portal & API

SIM Management

Monitoring Alarming Diagnose

Reporting

Solution Partner/ End-user

Internet HTTPS

Administrator

End-user/Customer

Machine, Object, Person

M2M Device

M2M Connectivity – Data, SMS & Voice

SMS Gateway

Internet VPN

M2M Application Server

M2M SIM Card

Swisscom Network & more than 650 Roaming Partner

Data APN

The information in this document does not constitute a binding offer. It is subject to revision at any time.

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