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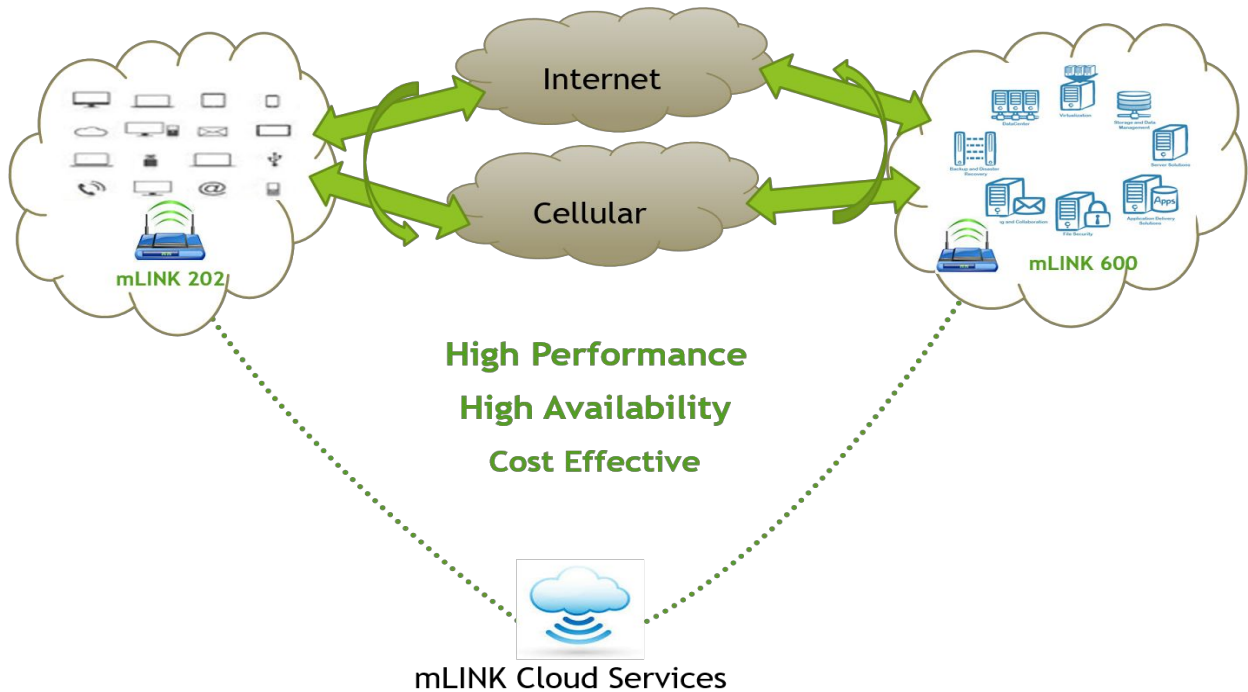
mLINK® Product Brief

aptiWiz mLINK® family of wireless gateways and Cloud Service are purpose built with unique features to address challenges of M2M and IoT networks. mLINK Gateways are compact, feature rich, cost-effective, drop-in devices in any network.


mLINK 200 Series   mLINK 600 Series

● **High Network Availability** : mLINK gateways use WiFi, multiple multi-carrier 3G/4G as WAN links and provide reliable connectivity to the Internet. mLINK gateways aggregate all available WAN links and deliver aggregated bandwidth to end-to-end applications. With seamless flow-level WAN fail-over and redundancy support, applications do not see connectivity downtime if a WAN link goes down.

- **High Performance** : mLINK gateways' high performance WiFi and LTE allow superior wireless performance even in hard to reach places. mLINK's 11a/n WiFi and LTE provide large bandwidth, stable wireless connectivity. Optionally, mLINK's unique WiFi on 3.65Ghz soft-licensed band offers industrial quality, long-range, interference free WiFi.

- **Smart Roaming** : Wireless characteristics change rapidly as the mobile machine roams around in the premises. With mLINK's unique Smart Roaming feature, mission-critical mobile machines avoid connection drops.

- **Firewall & Security** : Security is utmost important for M2M, IoT and enterprise applications. mLINK implements industry standard X.509 RSA 2048bit certificates with AES 128bit encryption for VPN, WPA/WPA2 for WiFi, Stateful Firewall, Domain black/white lists and NAT.

- **Simplicity** : Plug-and-play, out of the box fully automated configuration. Almost zero manual configuration.

aptiWiz mLINK Cloud Service complements mLINK Gateways by providing value added premium services.

- **Smart Bundling :** mLINK Gateways send traffic on all available WAN links. Cloud based Smart Bundling service re-assembles the traffic and delivers to the applications. With Smart Bundling, WAN fail-over and redundancy support come inherent. Applications do not see connectivity downtime if a WAN link goes down**.**

- **Cloud Based VPN Service** : Zero-touch, plug and play private site-to-site or machine-to-site VPN service. All mLINKs and their connected devices are accessible to Customer Management and Operations Stations via Cloud Based VPN service. Other than mLINKs, no additional VPN hardware or software deployment and management needed.

- **Zero-touch Routing and DNS Service** : Every device connected to mLINK within a customer network is optionally assigned a unique FQDN and IP address. Customer Management and Operations Stations and Applications can simply reach connected devices using FQDN from anywhere on the Internet. mLINK gateways and Cloud Service automate the routing process avoiding complex Distributed Enterprise network setup. LAN port based routing policies allow each LAN port to be routed to a separate WAN.
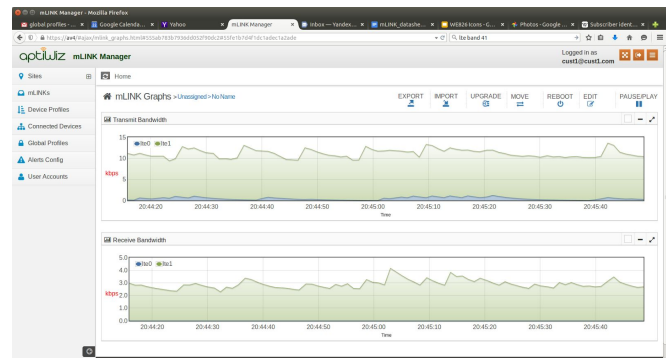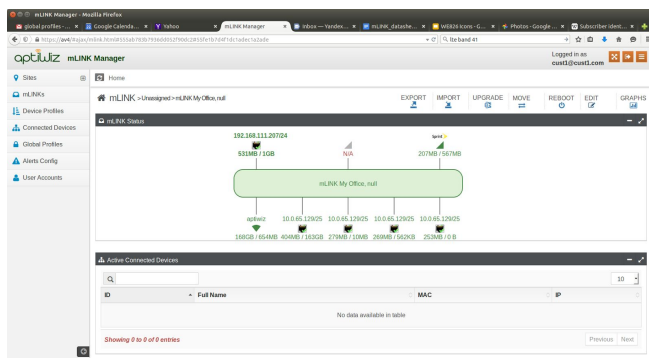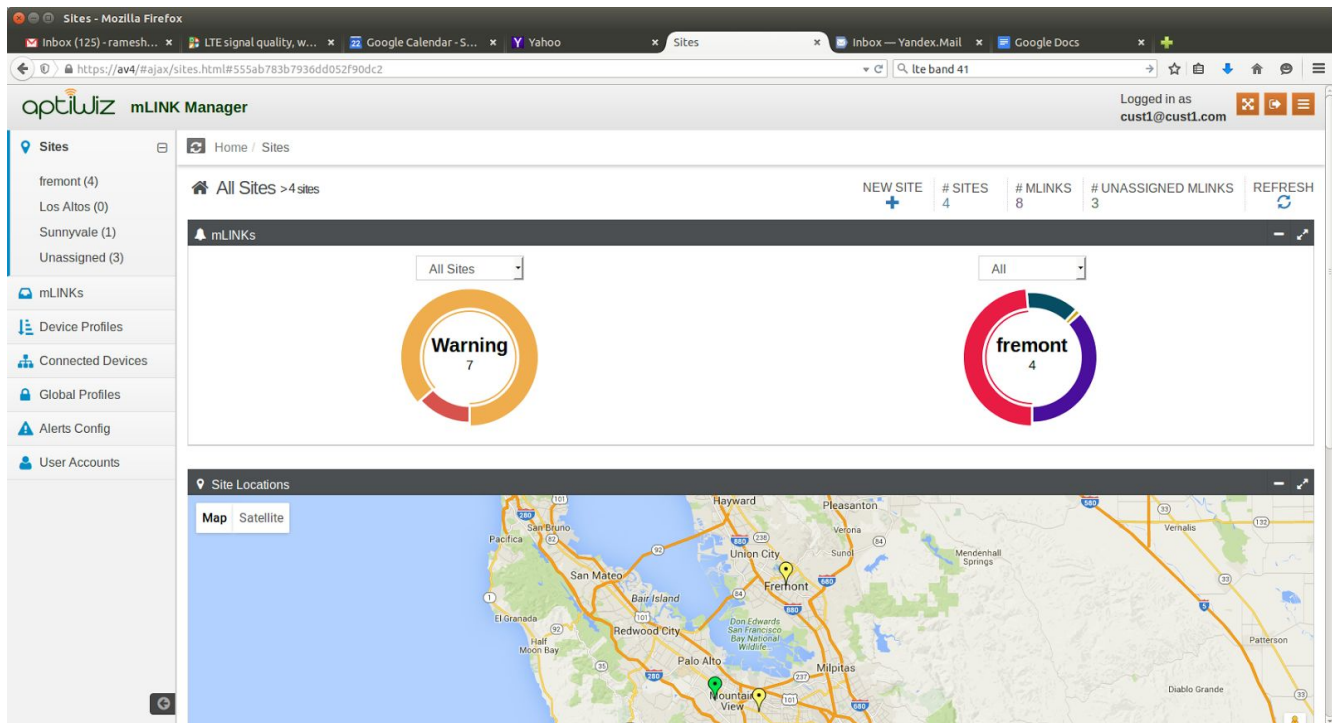
- **mLINK Cloud Orchestrator (MCO) and REST API**: With MCO, all mLINK gateways can be managed securely from a central place with ease of use and intuitive User Interface. With click of a button, firmware and configuration updates can be done on all mLINKs. Secure REST API provided by MCO enables easy integration to customer's existing management systems.

- **High Visibility and Control :** With feature rich dashboards and graphics, mLINK MCO provides highly granular visibility into network performance and security with real-time status, statistics, customizable link status alerts, data usage threshold notifications.

mLINK Gateways ship in multiple form-factors, hardware configurations to meet the functionality and cost requirements of each application.

	mLINK 200	mLINK 600	mLINK 202	mLINK 602
WiFi	1 b/g/n	1 b/g/n, 1 a/n	1 b/g/n	1 b/g/n, 1 a/n
WiFi as WAN	Yes. Software configurable any LAN/WAN combination.			
USB	1 Type A Male			
3G/4G WAN	1 external customer supplied USB modem (Sprint/ATT/VZW/International)		1 built-in LTE modem and 1 external customer supplied USB Modem (Sprint/ATT/VZW/International)	
3G/4G Bands	Customer supplied		LTE Band 2 (1900 MHz), Band 4–AWS (1700/2100 MHz), Band 5 (850 MHz), Band 13 (700 MHz), Band 17 (700 MHz), Band 25 (1900 MHz) HSPA+/UMTS (850/900/1900/2100 MHz, AWS) GSM/GPRS/EDGE (850/900/1800/1900 MHz) CDMA EVDO Rev A/1xRTT (800/1900MHz)	
SIM Slot	Customer supplied		2FF Push-Push slot accessible through enclosure	
Micro SD Slot	1 Push-Push slot accessible through enclosure			
Ethernets	5 10/100 Mbps. Software configurable any LAN/WAN combination.			
Power	12V DC, 5W max			
Dimensions & Weight	5"x3.5"x1", 0.5lb	7"x4.5"x1", 1lb	5"x3.5"x1", 0.75lb	7"x4.5"x1", 1.25lb
Environmental Parameters	-30c to +70c, 20% - 90% non-condensing humidity			
Certifications	FCC, CE		FCC, CE, Sprint (Q4 '15), Others (Q1 '16)	
Warranty	Limited 1 year. Extended 2 years, 3 years and 5 years			