Cloud Managed Gateway Series

SD-WAN Router | Link Balancer | VPN Gateway

Overview

RansNet Cloud Managed Gateway (CMG) is an Wide Area Network (WAN) appliance integrated with all essential enterprise features, incorporating advanced networking & security technologies, TCP/IP routing, Multi-WAN link balancing, Virtual Private Networking, stateful firewall inspection, dynamic routing, traffic steering, and bandwidth control (QoS), all packed into a powerful purpose-built appliance.

CMG can be deployed as standalone enterprise router or managed by RansNet mfusion orchestrator for Zero Touch Provisioning and central monitoring and configuration. It's an ideal on-premise gateway for enterprises to deploy localized SD-WAN networks without any data security concerns.
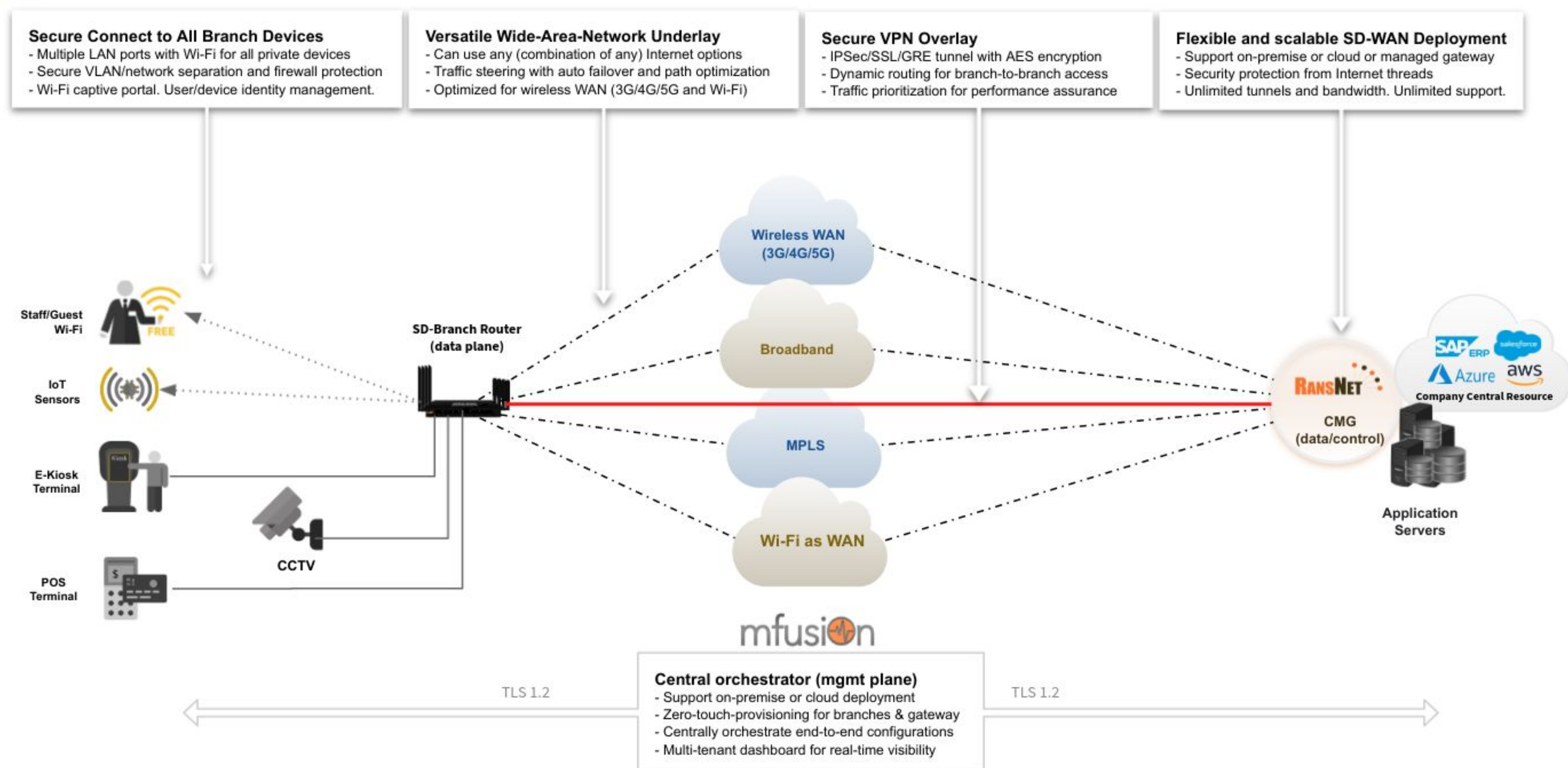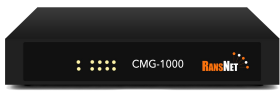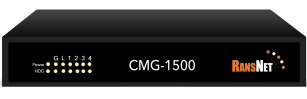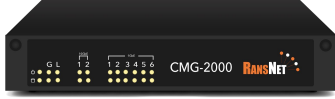
What CMG Does

- Connects to any WAN (Internet/MPLS/LL/ME)
- Tunnels to branch routers for secure SD-WAN deployment
- Balances multiple ISP links with auto failover
- Multi-homes critical networks with BGP and VRRP
- Prioritizes critical applications or VIP users
- Secures networks with AES encryption and stateful firewall

Target Use Cases

- Retail/F&B Chains and IoT deployments
- Any organizations who need high-performance gateway for resilient Internet services

Empowering End-to-End Secure Communication

Specifications	CMG-1000 (Office Essential)	CMG-1500 (Business Connectivity)	CMG-2000 (Enterprise Connectivity)	CMG-3000 (Enterprise Connectivity)	CMG-5000 (Carrier Connectivity)
Performance					
Processor	Multi-core	Multi-core	Multi-core	Multi-core	Dual CPU Multi-Core
Memory (RAM)	2GB	4GB	4GB	8GB	32GB
Router throughput	1Gbps	1.5Gbps	10Gbps	10Gbps	10Gbps
Firewall Throughput	1Gbps	1.5Gbps	2Gbps	5Gbps	10Gbps
Max Concurrent Connections	300,000	500,000	1,000,000	2,000,000	2,000,000
Multi-WAN link balancing	Up to 3 WAN	Up to 3 WAN	Up to 7 WAN	Up to 15 WAN	Up to 28 WAN
Interfaces					
LAN / WAN Interface	4x GbE	4x GbE	6x GbE	8x GbE	8x GbE
Optional 2-Port 10G (fiber/copper)	-	-	✓	✓	✓
Optional 8/4-Port GE (fiber/copper)	-	-	-	✓	✓
Network and Security					
Stateful Firewall, NAT, PAT, SNAT, DNAT	✓	✓	✓	✓	✓
DHCP services (client and server)	✓	✓	✓	✓	✓
VLAN/Trunking support (802.1q)	✓	✓	✓	✓	✓
IPSec, L2TPv3, GRE, SSLVPN	✓	✓	✓	✓	✓
High availability (VRRP)	✓	✓	✓	✓	✓
Static routing, Policy-Based Routing	✓	✓	✓	✓	✓
Dynamic routing (OSPF, BGP)	✓	✓	✓	✓	✓
IPv4 and IPv6 capable	✓	✓	✓	✓	✓
Interface bonding (LACP/802.3ad)	✓	✓	✓	✓	✓
Proxy, URL filtering and DNS rewrite	✓	✓	✓	✓	✓
Bandwidth control (QoS)	✓	✓	✓	✓	✓
Cloud Management and Monitoring	✓	✓	✓	✓	✓
Zero-Touch Provisioning	✓	✓	✓	✓	✓
Throughput testing and user experience monitoring (as mfusion probe)	✓	✓	✓	✓	✓
Online firmware patching and updates	✓	✓	✓	✓	✓
TLS (SDWAN), SNMP, NetFlow, Syslog, iperf3	✓	✓	✓	✓	✓
Access logging for audit and compliance	✓	✓	✓	✓	✓
Virtual Machine Software (NFV)	✓	✓	✓	✓	✓
Physical & Environmental Specifications					
Dimensions (WxHxD)	210 x 44 x 214	231.9 x 44 x 152	231 x 44 x 197	430 x 44 x 450	430 x 88 x 550
Weight	1.2kg	1.64kg	2.5kg	6kg	13kg
Design form factor	Desktop	Desktop	Desktop	1U rack mountable	2U rack mountable
Power Consumption	< 18W	< 18W	< 60W	< 230W	< 420W
Redundant Power Supply	-	-	-	Optional	Included
Operating temperature	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
Certifications	FCC, CE, ROHS				