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ATOMNIA
Connection Protection Detection

ATOMIUS CONNECT – Brief Technical Spec

ATOMIUS CONNECT is OMNIA's global connectivity and access layer, that can provide resilient, multi-carrier SD-WAN connectivity through nearly 2,000 telecom providers and across more than 190 countries. It combines centralised control, multiple underlays and always-on backup to connect sites, applications, data and customers from anywhere to anywhere.

Area	Technical specification
Platform role	SD-WAN-ready connectivity and managed network-services layer within OMNIA. Built on the SD-TRUST Ecosystem, using Console Connect, Tier-1 networks and fibre expertise for high-performance underlays.
Global reach	Connectivity technologies can be delivered in 190 countries through SD-TRUST partners and Tier-1 networks. Designed to connect offices worldwide with consistent, high-performance networking.
Carrier choice and resilience	Multi-provider architecture avoids reliance on a single provider. SD-WAN uses multiple internet connections to provide a failover path if one line fails.
Connectivity technologies	Supports Ethernet access, MPLS, 4G, 5G and LTE mobile connectivity, Dedicated Internet Access, broadband internet, FTTC, FTTH, FTTP and satellite connectivity.
Application performance	Application-aware routing allocates priority bandwidth to critical business applications. Intelligent routing automatically selects the fastest, most reliable path to improve application performance.
Centralised control	Centralised dashboard and cloud portal for monitoring and controlling the network, with visibility across links and real-time analytics to resolve issues and optimise performance.

Area	Technical specification
Security	Security features protect sensitive business data in transit over the underlay. ATOMIUS CONNECT combines overlay and underlay to provide high speed, security and performance for mission-critical workloads.
Service models	Available as a fully managed OMNIA connectivity service, including design, delivery, monitoring and support, or as individual wires-only circuits for customers managing their own overlay.
Managed service	Fully managed deployments provide a single point of contact for management, support and billing, backed by 24×7×365 proactive support.
Commercial flexibility	Pay-as-you-use options and short-term contracts support projects, temporary sites and trial phases. Multi-vendor carrier choices and the ReTech guarantee are designed to provide technical and commercial fit as requirements change.
Console Connect Edge Port	Integrates Console Connect Edge Port services. Edge Port provides a dedicated connection from a customer office to the Console Connect platform and network, connecting offices to clouds, applications, devices and other businesses on Console Connect.
Data-centre on-ramps	On-ramps are available at more than 900 global data-centre locations, with 1 Gbps and 10 Gbps port speeds, including locations across major data-centre providers.

Deployment and Coverage

ATOMIUS CONNECT is designed for SMEs, enterprises, resellers and solution providers. It can add new sites, users or remote workers without complex hardware roll-outs or long lead times, while solutions can be tailored to business size, vertical, topology and growth trajectory.

Operational Benefits

- Enables rapid connection of new sites to support global expansion.
- Delivers end-to-end managed network services so sites remain connected and secure regardless of geography.
- Provides flexible, internet-based and multi-provider connectivity options to reduce network costs.
- Allows customers to focus on core business growth while ATOMNIA manages global network connectivity.
- Offers ongoing expert guidance to keep connectivity robust and competitive.