



Qualcomm Dragonwing™ Security and Management (SAM)

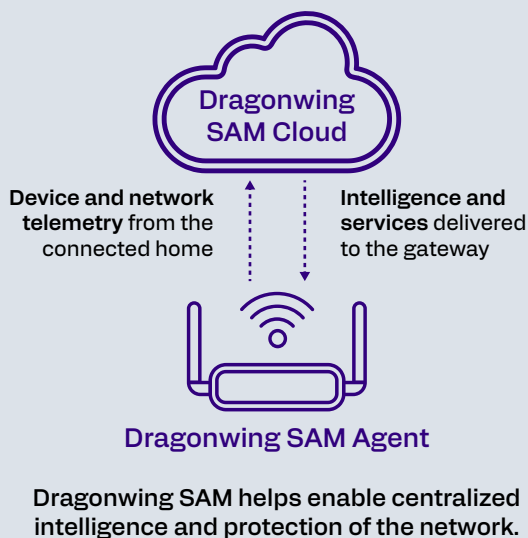
Intelligent Services Suite for Broadband

Transform broadband intelligence into subscriber value with Dragonwing SAM. It brings together device intelligence, service intelligence, and security features in a flexible edge-to-cloud framework designed to help operators better understand, optimize, and protect their broadband services. Turning device, application, and network telemetry into actionable intelligence helps operators gain deeper visibility, improve quality of experience, strengthen protection, and bring more context to operator workflows. A shared intelligence foundation supports customer care, service assurance, security, subscriber applications, and future value-added services, equipping operators to differentiate broadband offerings and create new opportunities for engagement and growth.

Edge-to-Cloud Intelligence Loop

The Dragonwing SAM agent is engineered to gather device, service, and network telemetry from the gateway to build a shared understanding of connected environments. Cloud-based insights, policies, and services are designed to be delivered to the gateway and connected to operator systems, third-party applications, and subscriber experiences. This intelligence loop aims to help operators understand devices and applications, optimize broadband experiences, strengthen protection, and enable new opportunities for engagement and service innovation. The result is a scalable foundation that can evolve with subscriber needs and business objectives.

Edge-to-Cloud Architecture



Understand

Designed to provide deep visibility into connected devices, applications, and network activity.



Optimize

Uses service intelligence, device insights, and network telemetry to help improve quality of experience and accelerate issue resolution.



Protect

Built with robust security capabilities to help protect subscribers, connected devices, and digital lifestyles from cyber threats.



Innovate

Creates a foundation for subscriber engagement, value-added services, and future intelligent broadband experiences.

Flexible Deployment Across Installed Base of Operator Gateways

Software-based	Deployment across silicon platforms	Broad support for open gateway stacks
Native integration or containerized deployment without dedicated hardware	Designed to run on Dragonwing networking infrastructure platforms and supported third-party SoCs	Built to run on leading open gateway software stacks
Docker LXC LCM	Dragonwing Third-Party SoC	OpenWrt prpIOS RDK-B

Product Capabilities

A shared intelligence foundation connects device, service, usage, and network context to support operator workflows, applications, and subscriber experiences.

Layered protection across the connected environment

ROUTER PROTECTION

Designed to strengthen gateway protection

- Router hardening
- Vulnerability mitigation
- Deception-based detection

NETWORK PROTECTION

Designed to secure traffic and access

- Safer browsing
- Brute-force and port-scan protection
- Anti-DDoS/DDoS

DEVICE PROTECTION

Designed to protect connected and IoT devices

- Deep packet inspection
- Dynamic firewall policies
- Vulnerability mitigation

Intelligence Capabilities

- **Device identification:** Continuously refined fingerprinting; detailed classification and inventory; class, vendor, product, model, and operating system.
- **Service identification:** Application and service mapping; traffic and category classification; near real-time usage and bandwidth intelligence.
- **Network intelligence:** Connects device, service, usage, and relevant network conditions into consistent context across Dragonwing SAM services.
- **Shared intelligence:** Applies shared context across operator and third-party applications to help improve experience and support more contextual care.

Cybersecurity Capabilities

Designed to help protect against:

- Malware and ransomware
- Credential brute force and port scans
- IoT botnets and hijacking
- Phishing and malware spread
- DoS/DDoS and service blockage
- Command injection and exploitation

Operator and Subscriber Benefits

- **API and UI Integration:** Embed security alerts, device insights, and network intelligence directly into operator and subscriber applications through open APIs.
- **Customer care:** Bring device, service, usage, and network context into support workflows.
- **Experience assurance:** Use device and service intelligence to help improve quality of experience.
- **Network observability:** Help build a more consistent view of connected environments and network conditions.
- **Security:** Coordinate protection across the router, network traffic, and connected devices.
- **Parental controls:** Support subscriber-facing controls informed by device and service context.
- **Analytics and reporting:** Use shared intelligence to support operator insights and reporting.
- **Personalized services:** Help enable differentiated experiences and future value-added offerings.

To learn more visit: [qualcomm.com](https://www.qualcomm.com)



Capabilities vary by deployment configuration, enabled services, network visibility, and operator policies. Materials are subject to change without notice.

©2026 Qualcomm Technologies, Inc. and/or its affiliated companies. All Rights Reserved. Qualcomm branded products are products of Qualcomm Technologies, Inc. and/or its subsidiaries.