

quobis : collaborator

Extend your Ribbon Edge SBC a sovereign, all-in-one UCaaS & PBX communication hub with zero-hardware footprint.

RESILIENT EDGE UCAAS & PBX SOLUTION

Quobis Collaborator is an enterprise unified communications suite built on open standards and designed for web, desktop and mobile environments. When embedded on Ribbon SBC infrastructure, it brings together call control, video, meetings, messaging, presence and directory integration in a single edge-based architecture.

Zero-Hardware Footprint

Runs natively on your Ribbon SBC hardware. Eliminates the need for external server racks, lowering capital expenditure and simplifying IT architecture.

Sovereign Edge Security & Compliance

Media and signaling remain encrypted and processed within the corporate or operator-controlled perimeter, fully compliant with EU NIS2 & DORA.

Full Business Continuity

Ensures complete survivability. Maintain full PBX feature sets, local voice calling, and WebRTC connectivity even if core network connectivity or cloud links

Zero-Install WebRTC Experience

Instantly access PBX, telephony, video, and group chat directly through any modern web browser without installing clients, plugins, or third-party apps.

TECHNICAL SPECIFICATIONS

Specification	Integration parameter and capability
<i>Deployment topology</i>	Embedded on Ribbon Edge SBC or virtualized SBC environments including KVM, VMware and cloud-based instances
<i>Signalling and protocol support</i>	SIP, WebRTC over secure web transport, REST-based integration, enterprise interoperability and signalling orchestration
<i>Security</i>	DTLS-SRTP, TLS, certificate-based protection and SSO-ready identity integration
<i>Telephony interoperability</i>	Coexistence with multi-vendor PBX platforms and legacy voice environments
<i>High availability</i>	Active/standby SBC failover models with resilient session continuity for business-critical services.

KEY JOINT VALUE PILLARS

Unified Voice & PBX

Full PSTN/VoIP call control, PBX feature preservation, DTMF, call logs, transfers, and hold integrated directly into Ribbon SBC routing.

Embedded Video

Virtual meeting rooms, screen-sharing, interactive whiteboards, and guest lobby management without external cloud dependencies.

Secure Messaging

Persistent 1-on-1 and group chat, encrypted file sharing, real-time presence indicators, and simultaneous multi-device ringing.

DEPLOYMENT SCENARIOS & TARGET APPLICATIONS

Mission-Critical Edge Survivability

Branch offices, remote sites, and essential services requiring uninterrupted voice and WebRTC connectivity during central WAN outages.

Highly regulated public sector and defense

Support sovereign communications architectures with local control, compliance alignment and reduced dependency on non-European cloud services.

Service Providers & Managed UCaaS

Telcos and MSPs delivering white-label UCaaS and PBX features directly bundled with their Ribbon SBC edge deployments.

Firstline & Distributed Field Teams

Give field, warehouse, logistics and retail teams secure browser and mobile access to enterprise communications under the same extension logic.

0%

HARDWARE FOOTPRINT

100%

LOCAL EDGE SURVIVABILITY

NIS2 / DORA

SOVEREIGN COMPLIANCE

STRATEGIC BUSINESS IMPACT

Minimized CapEx & OpEx

Consolidate SBC security and UCaaS software onto existing Ribbon hardware, significantly reducing overall TCO.

Operational workload

Simplify deployment and daily operations with lightweight clients and centralized control.

Edge resilience & sovereignty

Local fallback call control, WebRTC edge processing, carrier-grade encryption, and local storage keep communications available and data under your control.

MODERN UCAAS AT THE EDGE, DIRECTLY ON RIBBON SBC

Quobis Collaborator on Ribbon SBC delivers sovereign, edge-embedded unified communications directly on the session border controller. By combining enterprise telephony, WebRTC, messaging, video and meetings in a single resilient architecture, it enables operators and organizations to modernize communications without external application server dependency, without vendor lock-in and without sacrificing continuity, compliance or control.

Designed for distributed enterprises, regulated sectors and service provider environments, the solution preserves existing PBX and SBC investments while adding secure zero-install collaboration for web, desktop and mobile users. The result is a practical path to modern UC: lower infrastructure footprint, stronger business continuity and full control over data, signalling and media at the edge.



READY TO ENHANCE YOUR RIBBON EDGE SBC ARCHITECTURE?

Discover how Quobis Collaborator transforms Ribbon Edge SBCs into resilient, sovereign UCaaS hubs.

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