

Datasheet: 3020 LifeX™

Communication/collaboration platform

3020 LifeX™ is a future-oriented public safety communication and collaboration platform designed to satisfy all the demands of a next generation control room and its multimedia handling. Thanks to its sophisticated, modular architecture, 3020 LifeX™ can integrate a variety of systems using different protocols and can flexibly exchange or upgrade them without compromising ongoing operations.

Key features

Unique safety architecture

The 3020 LifeX™ carrier-grade architecture is designed to meet the highest demands of mission-critical public safety use cases. The software seamlessly integrates with your existing IT infrastructure (on-premise, SaaS, cloud). The resilient architecture makes 3020 LifeX™ scalable during runtime in a linear way, adding additional computing power as required by special operations.

Easy integration

As 3020 LifeX™ is designed as an open platform. Other services and interfaces can be hosted on the same level as 3020 LifeX™ services. This ensures that data can be used horizontally across all business services. An open partner API enables other applications to utilise services, as well as data of the platform.

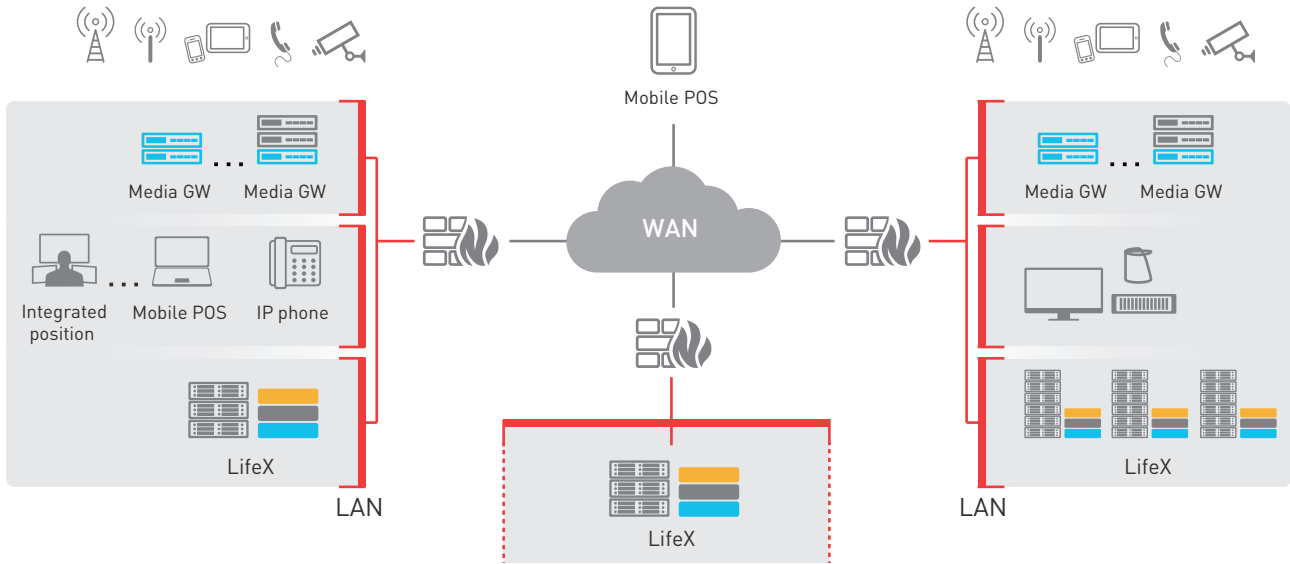
Dissolving control room borders

For 3020 LifeX™, any device is a working position. The use of pure, web-based user interfaces and built-in flexible audio handling permit a broad range of different deployment scenarios on already installed infrastructure. Different gateways and the adapter concept allow seamless integration of different communication methods and technologies – for on-premise installations, data centre hosting, as well as hybrid scenarios.



3020 LifeX™ at a glance

- Pure software, IP-based communication and collaboration platform with an architecture designed for mission-critical operations
- Shared communication and information services with flexible network layouts
- Any media – any device. Horizontal data integration with easy-to-use, web-based user interfaces
- Linear scalability suitable for countrywide installations (start small – grow big), both in terms of seats and features
- Introducing LTE without changing known and trained user patterns, including cross-connection capabilities
- Open to other services, adapters and interfaces for different integration scenarios



Benefits

From information silos to data centrality

Focusing on increasing operator performance, reducing manual tasks and simplifying maintenance, 3020 LifeX™ employs an advanced technology platform to reduce data silos, host multi-vendor apps and harmonise operator communication and collaboration.

From station to street, always online

3020 LifeX™ empowers the mobile application, consuming services freely within a given network. It supports the sharing of actionable knowledge

between the relevant stakeholders thanks to its smart, two-way multimedia exchange mechanism.

From emergency call to emergency contact

3020 LifeX™ uses smart geolocation, conversation routing and in-call collaboration to optimise control room multimedia emergency communication. It also supports industry standards, such as NG112, allowing citizens to contact the control room using the media most relevant to their given circumstances (voice, text, video, or combined).

Availability/Scalability	Up to 99.99% for a single domain system / up to 1,000 working positions Live Upgrade (Blue/Green)
Standards compliance	SIP/RTP, SIPREC, ED137, TLS, Kerberos, XMPP
Phone interfaces	Supplied: PRI, BRI (T0), FXS, FXO, Supported: 3rd-party COTS IP voice gateways, e.g. CISCO, support of SBC
Radio connectivity	From 10 to 2,000 concurrent audio streams, integration with customer radio infrastructure via the Frequentis Universal Radio Gateway (URG) technology, Integration of LTE (ESN-R, eLTE)
Security	Secure communication based on TLS: SIPS, HTTPS, WebSocket secure
Recording interfaces	Integration of real-time voice and data recorders according to SIPRec Replay of recordings via RTSP
Monitoring & logging	Using standard protocols (e.g. SNMP) to gather information about infrastructure, operating system, as well as virtualised products. Centralised log collection and processing, log analytics and visualisation