



PIKA Technologies X2

Host Media Processing APIs
for New Generation Apps

Create high performance and reliable contextual communication applications with the PIKA X2 network API.

Based on HMP-X and with tens of thousands of ports deployed worldwide, PIKA's X2 offers scalable and distributed network APIs which enable next generation communication applications.

Because of PIKA's long history in the telecommunication industry, our X2 is hardened and widely accepted across the globe in SIP-based networks and now adds connectivity with IoT and social media networks.

PIKA X2 has all your development requirements covered including:

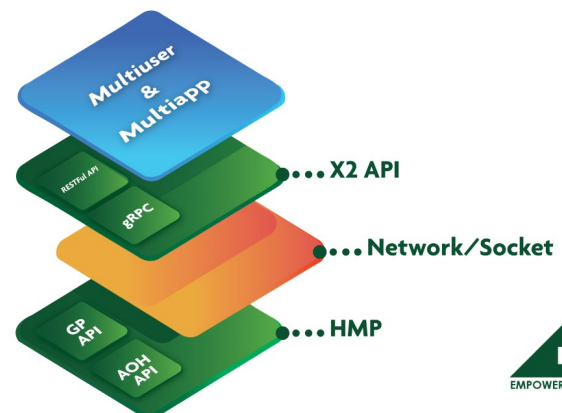
- Virtual machine and cloud support
- Flexible licensing model, with multi-users/multi-apps license sharing
- RESTful and gRPC network APIs
- Language neutral, platform neutral
- Distributed model
- Extensive event logging for data analytics



HOST MEDIA PROCESSING

Features

- Data driven communication
- Interfaces to AI-like sentiment analysis
- Truly scalable and distributed model
- SIP UDP, SIP TCP, SIP-TLS
- RTP, sRTP
- AMR NB/WB, OPUS, G.729, G.711, EVS
- Audio playback and record
- Conferencing & Advanced Conferencing
- Tone detection and generation
- Dynamic call progress analysis
- Caller ID, Call Transfer
- Low and high level C, C++ API
- RESTful & gRPC APIs



X2 Value Proposition

X2 is a fifth generation HMP solution from PIKA and offers two levels of API: single application C/C+ + low level APIs and RESTful/gRPC network low and high level APIs for distributed multi user/ multi application scenarios.

The new foundation enables the creation of all types of custom applications, when off-the-shelf solutions will not work.

- Enable next generation communication apps
- Enable integration of telephony with IoT
- Enable massive base of web developers
- Enable new business models

PIKA's **X2** provides a highly efficient VoIP, IM and IoT connectivity matrix with extremely low throughput latencies, built from an industry standard, commercial grade SIP stack with secure and non-secure options. Added to this, is hardened media processing offering various narrow and wide band codecs and voice processing algorithms. Each component runs in a real-time microkernel (HSP) that acts as a firewall between the application and media processing. This microkernel balances the load in multi-processor environments smoothly serving real-time demands in non-real-time operating systems.

A flexible licensing model (permanent, leasing and on-demand) can accommodate all types of application needs – including those in virtual machines and cloud-based solutions.

About PIKA Technologies

Since 1987, PIKA Technologies has pioneered technology and products that enable global telephony, fax and communications solutions. PIKA's offerings include telephony appliances, board-level TDM products, mobile PBX, end-user applications and custom telecom development services. Known for exceptional voice quality, reliability and renowned customer service, PIKA enables developers, system integrators and businesses worldwide to take full advantage of advanced communication solutions. This includes products that support innovation in legacy and emerging telephony models, as well as solutions that bridge the path from TDM and VoIP to services in the cloud.

Pika has customers in more than 35 countries and numerous product and technology awards to its name.



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