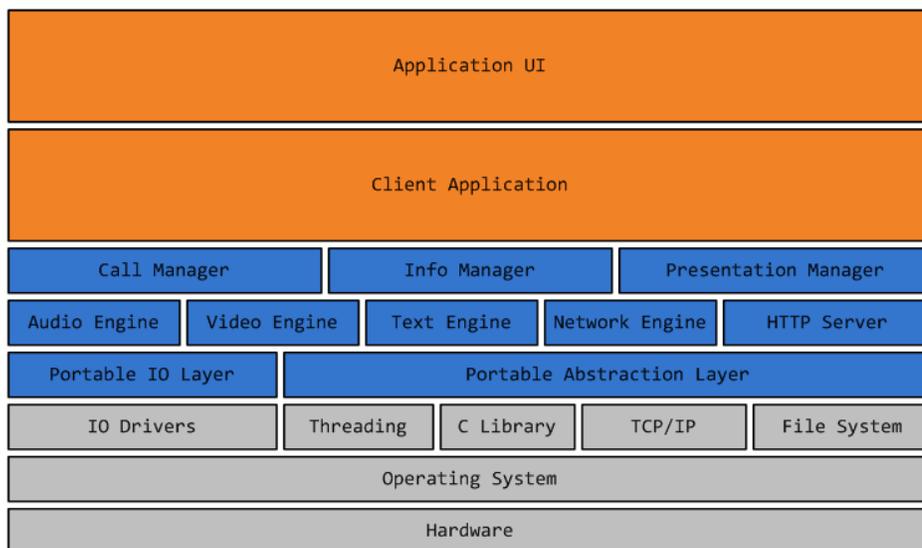# MORPHEUS MEDIA ENGINE
START MAKING HD AUDIO+VIDEO CALLS TOMORROW

MORPHEUS MEDIA ENGINE is a next-generation, carrier-grade media engine for point-to-point or multipoint audio and video calls over IP. This feature-rich, scalable and powerful solution is the core foundation for any type of communication application ranging from a simple softphone to a full-fledged and highly advanced unified communication system.

MORPHEUS MEDIA ENGINE is your gateway to launching your own audio & video communication solution with a fully-customizable UI and brand name on any platform. The adaptiveness and intelligence of the engine ensures optimal and crystal clear, low latency audio and crisp video for both low and high-bandwidth users.

The engine comes with all the modules you need. A call manager for managing and controlling calls. An info manager for managing and controlling persistent data such as configurations. A presentation manager which is the glue between your customized UI and the media engine. An HTTP server for easy access to settings, controls and call setup via a web browser. An audio and video engine for processing audio and video streams. The audio engine offers a wide range of sophisticated signal processing algorithms such as acoustic echo cancellation, noise suppression, equalization, voice detection and automatic gain control. A text engine for handling text streams such as automatic subtitling of video streams and texting between IP endpoints. A network engine for signaling and handling network packet flow. The portable IO and abstraction layer ensures that the media engine can easily be deployed on any system to run on any type of OS.

The media engine supports a set of default audio and video codecs and comes with an API for adding additional codecs.

Supported Platforms
Android, Windows, Linux, iOS, OSX

Supported Audio Codecs
G711, G729, G722, SILK, SPEEX, OPUS, PCM, iLBC, DVI4

Supported Video Codecs
H.261, H.263, H.263+, H.264, VP8, VP9

Standard Features
Acoustic Echo Cancellation, Noise Suppression, Automatic Gain Control, Equalizer, Resampler, Voice Detection, Adaptive Jitter Buffer, Packet Loss Concealment, DTMF generation & detection, Tone Generator, Audio File Player & Recorder, Call Management & Control, Blind & Attended Call Transfer, Call Hold/Retrieve, Multiparty Conference Calls, Multiple Accounts

Advanced Features
Voice & Video Mail, Texting, Automatic Video Subtitling, Voice Morphing, Automatic Speech Translator, Encryption, Adaptive Beamforming, Speech/Speaker Recognition, Motion Detection, Face Recognition, Caller Priority & Routing Rules

AUDIOALGORITHMS
3210 Stonecrest Drive
Cumming, GA 30041
USA
Phone: 678.620.5542

www.audioalgorithms.com