

# Max 420 SIP

**Connect regular phones to the Max 420 SIP gateway and enable multiple users to simultaneously place low-cost VoIP calls**

*The Max 420 SIP is compatible with the SIP-based VoiceDirector, allowing small and medium-sized businesses to easily benefit from VoIP calling*

**With the Max 420 SIP you can:**

- Seamlessly migrate to VoIP calling in a corporate environment
- Benefit from VoIP without changing your current network and phone systems
- Add a full suite of value-added features and advanced functionality

**Corporate Calling Solution**

Up to four simultaneous calls can be made through the scalable Max 420 SIP, making it an ideal solution for small and medium-sized businesses. With the Max 420 SIP, corporations can simplify and accelerate their migration to VoIP calling. Since employees will be placing calls from regular telephones, the transition is seamless.

Implemented as part of the VoiceDirector corporate calling solution, the Max 420 SIP can drastically reduce communication costs and deliver a quick ROI (return on investment).

**Easy to Implement**

Simply connect the Max 420 SIP to a switch, router or hub. Then, you have the flexibility of connecting the FXS ports of the Max to regular telephones or the analog trunk card of your PBX system.



**Requirements**

- Switch, router or hub
- Standard telephones and/or a PBX system
- A PC or Mac (for initial configuration and management only)

Port Type	Number	Connects To
FXS	4	<ul style="list-style-type: none"> <li>• Regular telephones AND/OR</li> <li>• Analog trunk card of a PBX</li> </ul>

**Additional Corporate Functionality**

The Max 420 SIP also features IVR (Interactive Voice Response) functionality, enabling call connection and account balance announcements, password protection and various user greetings. You can also dial other extensions connected to the unit, which is especially beneficial in an office environment.

# Max 420 SIP Specifications

## Hardware Specifications

<b>Supported Firmware</b>	1.1.10s and above
<b>Analog Voice Interface</b>	FXS, RJ-11
<b>LAN Interface</b>	10baseT, RJ-45, 1 port
<b>Serial Interface</b>	EIA-232 (old RS-232C), DB-9, 1 port Asynchronous serial communication at 19200 bps
<b>Input Power</b>	5V AC/DC adaptor: input 100-240VAC, 1.5A (max), 50/60 Hz, 50W (max)
<b>LED Indicators</b>	<ul style="list-style-type: none"><li>• Active system status indicator</li><li>• Alarm indicator for system malfunction</li><li>• Active status indicator for each analog voice port</li><li>• LAN link indicator</li><li>• LAN data receive indicator</li></ul>
<b>Package Contents</b>	<ul style="list-style-type: none"><li>• Max 420S device</li><li>• Power adapter (100-250V AC input 0.5A, +5V DC output 3.0A)</li><li>• User's guide</li></ul>

## System Specifications

<b>VoIP Protocol</b>	SIP
<b>Audio Codecs</b>	<ul style="list-style-type: none"><li>• G.711</li><li>• G.729</li></ul>
<b>QoS Capabilities</b>	<ul style="list-style-type: none"><li>• Echo cancellation (G.168)</li><li>• Voice Activity Detection</li><li>• Comfort Noise Generation</li></ul>
<b>Management Interface</b>	<ul style="list-style-type: none"><li>• Command line interface via console port or telnet client</li><li>• Web interface via any Web browser</li></ul>
<b>Main Processor</b>	Motorola MPC850DSL
<b>Noise Level</b>	15 dB @ 1 m
<b>Ringer Equiv. No.</b>	0.5B
<b>Regulatory Approvals</b>	FCC (part 15, class A and part 68), CE, UL

## Physical Specifications

<b>Dimensions</b>	49.5mm x 212.6mm x 177.6mm (H x W x D)
<b>Weight</b>	0.5 kg
<b>Operational Temperature</b>	0°-50° C
<b>Storage Temperature</b>	40°-85° C
<b>Operational Humidity</b>	5-95 (non-condensing)

***For more information on VoiceDirector, please visit  
[www.voicedirector.net](http://www.voicedirector.net)***

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