

# FlowControl

Ticketless Entry System

## Umojo™ V-100 Voice Module

### ABOUT V-100 VOICE MODULE

Based on a powerful Analog Devices Blackfin™ processor, the Umojo™ V-100 Module is a low-cost standalone hardware/software platform designed for a 2 gang box or larger enclosure.

The V-100 Module is a SIP compliant full-duplex speaker phone board, complete with Power over Ethernet (PoE), an 4 Ohm speaker driver, and an on-board driver for door latches and other devices (supporting up to 12V/24V and 2A or a 5V Relay). The V-100 Module has 4 Mbytes of flash and 16 Mbytes of SDRAM, providing plenty of room for application specific features. Support for 48 KHz capable stereo audio codec is provided as well.



V-100 Module in a 2 Gang Box

### Umojo™ V-100 Voice Module Features

The software for the V-100 Module is available in two varieties: a combination object code and ANSI C source code release, or a full ANSI C source code release.

<b>Support for 12/24VDC Door latches or 5V</b>	<b>Fusion RTOS</b>
<b>1 10/100 PoE 802.3af Ethernet Connection</b>	<b>Fusion TCP/IPv4/IPv6</b>
<b>300 MHz Processor speed (Optional 400 MHz)</b>	<b>Fusion Voice Engine with RTP</b>
<b>4 Mbytes Flash, 16 Mbytes SDRAM</b>	<b>Fusion Voice Engine Codecs: G.711, G.726 (16/24/33/40 kbps), G.722, DVI4 (narrow/HD/Ultra HD), iLBC, Speex. Optional G.729</b>
<b>4 Ohm Speaker Driver, and 2 UARTs</b>	<b>VoIP Call Manager includes support for incoming mic/speaker volume control and mute, etc.</b>
<b>2 channel Audio Codec with sampling rates up to 48KHz</b>	<b>SIP/SDP. Optional Security (SIPS, SRTP, HTTPS)</b>
<b>Dimensions: 2.75 x 4.125 in</b>	<b>Web Server with Extendible Configuration Web App and Configuration and Control Web Services</b>
<b>Industrial Temperature: -40°C to +85°C</b>	<b>Configuration Engine is file-based or can integrate with other platform standards</b>