

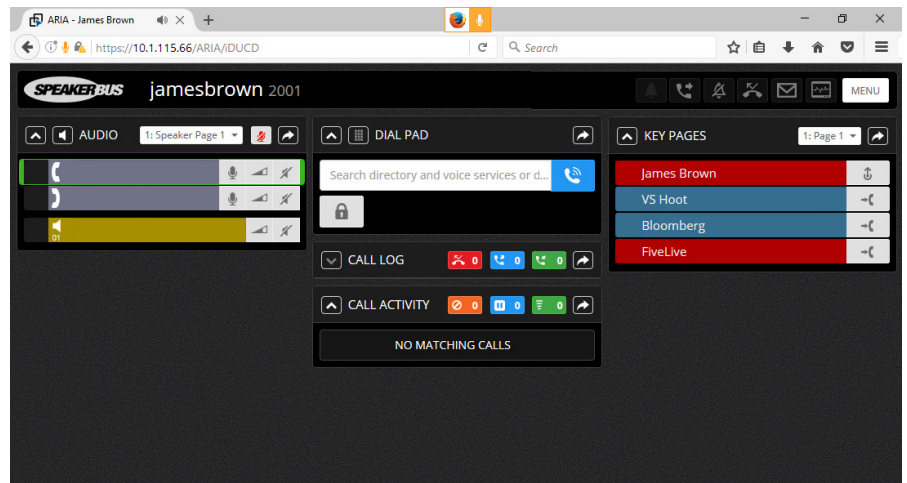
ARIA - Virtual Trader Voice Endpoint

End User Features

- Call Types:
 - Telephony
 - Hoot 'n' Holler
 - Private Wires - ARD (Automatic Ring Down) and MRD (Manual Ring Down)
- Browser based HTML5 compliant application featuring iSeries SLATE^{UX} interface
- One click show/hide individual panels
- Dock/undock individual panels
- Seated user and device status information
- Advanced logging
- Incoming call notification
- Persistent user preferences between iD808 and web browser interface
- Browser closure notification
- Customisable user interface
- Corporate or personal telephony directory access
- Dial pad for telephony calls
- Combined corporate/personal/voice service search
- Choice of host device:
 - Remote use of iD808 Trading Turret or
 - iManager Deskstation Unified Communications Virtual Endpoint (iDUCX)

Handset

- Two virtual handsets
- Visible indication of selected handset
- Latched microphone muting
- Individual volume controls
- Visible call status for all call types
- Connect an audio feed, hoot or ringdown from a list of available voice services
- Audio and microphone activity indicators
- Make a telephony call from the corporate or user's personal directory
- Make a telephony or virtual private wires (VPW) call from a speed dial
- Place a telephony or virtual private wires (VPW) call on hold
- Make a telephony or virtual private wires (VPW) call private
- Seize a line to a handset by manually entering a dial number
- Dial a number from the keyboard or virtual dial pad
- Auto select idle handset on answering a call
- Dedicated clear keys
- Transfer telephony call
- MRD signal key
- Signal DTMF tones on an active telephony call



ARIA's SLATE^{UX} web user interface: Speakerbus' universal user experience

- Handset keys dimmed whilst connecting

Speaker

- Upto 24 virtual speakers
- Individual speaker latched muting and volume controls
- Call status indication:
 - Busy elsewhere
 - Private
 - Connecting
 - Busy idle
 - Conference
- Audio and microphone activity Indicators
- Remove appearance
- VPW/telephony/audio feed
 - Listen/talk
 - Move to selected handset
- Connect an ARD
- Line seizure onto selected handset to make telephony call
- Answer alerting (ringing) call
- Barge into busy elsewhere call
- Clear calls
- Talk ready indication
- Group talk functionality
- One click global mute/unmute microphone for all speakers
- Page selection indicator
- Show/hide all speaker channels

Audio

- Single configurable microphone input
- Single audio output

Call Log

- View placed, recieved and/or missed calls

- Filtering of placed, received and/or missed calls
- Simple or detailed call log view
- Delete individual or all log entries

Call Activity

- Dynamically populated view of call and audio feed activity
- Answer alerting (ringing) call on handset
- Barge into busy elsewhere call on handset
- Take call off hold and put on handset

Key Pages

- View pre-defined or combination of line/speed dial/VPW/voice services keys
- Key page selection to choose a different set of keys
- View keys configured to appear persistently irrelevant of key page selection (fixed keys)
- Seize telephony line associated with a telephony key onto the selected handset
- Use a speed dial to make a telephony call on the selected handset
- Visible indication of which audio device an appearance is associated with (if any)
- Connect an audio feed, hoot or ringdown from a key onto the selected handset
- Use a VPW "speed dial" to make a VPW call on the selected handset
- Visible call status for all call types on a key page key which have a relevant telephony appearance, VPW appearance or voice service appearance associated with them
- Immediate call transfer using dedicated speed dial keys

ARIA - Virtual Trader Voice Endpoint

- Answer an alerting (ringing) call on a handset using associated appearance key
- Barge into a busy elsewhere call on a handset using associated appearance key
- Take call off hold and put on handset using the associated appearance key

Interactive Indicators

- Temporary alert muting
- Call forwarding (always, no answer and on busy)
- Do not disturb
- Missed calls
- Voice mail
- Session controller status

Security and Conformance

- Encrypted logon via iCMS' own embedded secure logon
- Compliance - maintains existing Voice Recording activity using Speakerbus recording and analytics interface

Prerequisites

- Session controller, either:
 - iTurret (iD808) per user¹ or
 - iManager Device Unified Communication Session controllers (iDUCX)
- iManager Communications Server (iCS)²
- iManager Centralised Management Server (iCMS)³
- iG330/334 Media Gateway - for private wires
- Client browser⁴

Client Browser Requirements

- WebRTC and JavaScript™ enabled browser³
- Minimum screen resolution of 1376x768 (1920x1080 is highly recommended)
- Speaker/Microphone or Headset

iManager Web Server (iWS)

Features

- Enables deployment of ARIA Web Interface to web browsers via HTTPS

iManager Gateway Server (iGS)

Features

- Linux® based WebRTC (Web Real-Time Communication)
- Enables iD808 Trading Turret to be used through the ARIA web interface
- STUN and TURN support

iWS Minimum Requirements

- Processor: Intel® Xeon® (E5520 8Mb Cache 2.26Ghz)
- Minimum 2GB RAM
- Minimum disk 100 GB
- SVGA 1024 x 768 display
- Operating System:
 - Microsoft® Windows Server® 2008 R2 64 bit Standard/Enterprise
 - Microsoft® Windows Server® 2012 R2 64 bit Standard/Enterprise
- IIS Internet Information Services

iGS Minimum Requirements (for 350 connected users)

- Processor: Intel® Xeon® (E5520 8Mb Cache 2.26Ghz)
- Minimum 2GB RAM
- Minimum disk 100 GB
- SVGA 1024 x 768 display
- Operating System, either:
 - Linux® CentOS® or
 - Red Hat®
- 100Mb Ethernet (1Gb is recommended)

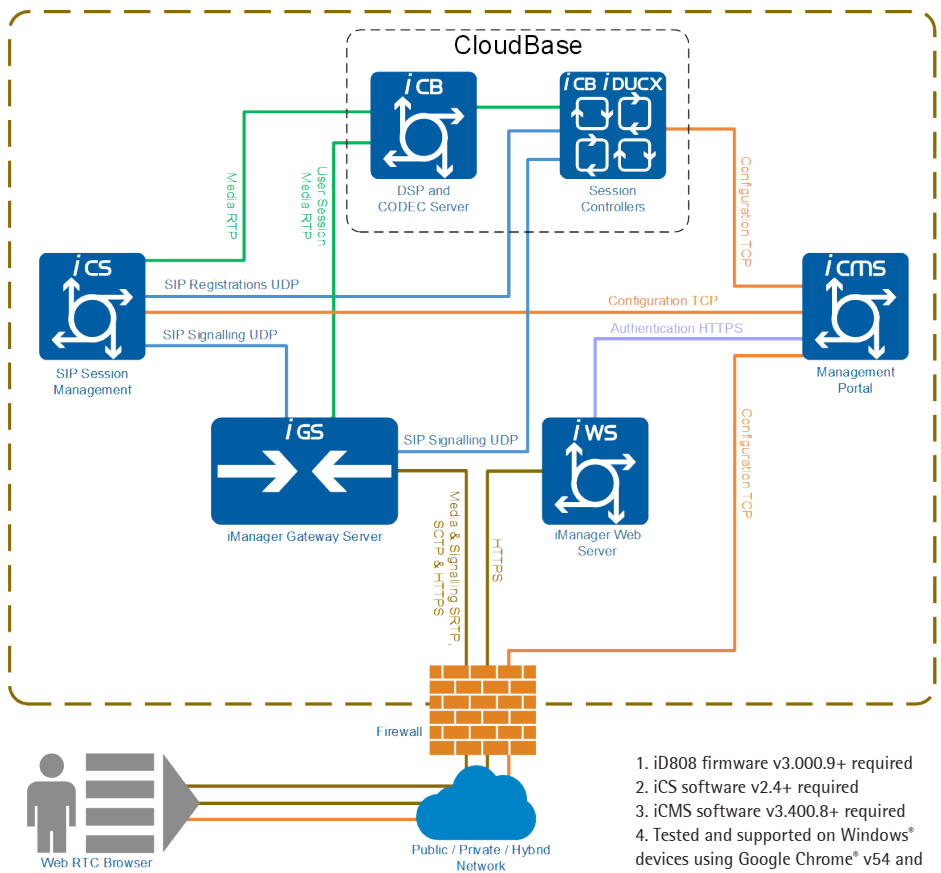
iManager CloudBase (iCB)

Features

- Provides the services necessary for call control and media handling required to host virtualised endpoints within ARIA.
- Consists of:
 - Server management
 - Media servers
 - iSeries Device Unified Communication Session Controllers (iDUCX)

iCB Minimum Requirements (for 10 concurrent ARIA sessions)

- Processor: Intel® Xeon® (E5520 8Mb Cache 2.26Ghz)
- Minimum 4GB RAM
- Minimum disk 100 GB
- SVGA 1024 x 768 display
- Operating System: Linux® CentOS®
- 1Gb Ethernet



1. iD808 firmware v3.000.9+ required
2. iCS software v2.4+ required
3. iCMS software v3.400.8+ required
4. Tested and supported on Windows® devices using Google Chrome® v54 and Mozilla Firefox® v50
5. Alternatively iD808 iTurrets can be used instead of CloudBase (iCB/iDUCX)