INTERRA SIP-SERVER

GENERAL INFORMATION

Yönnet @2014

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INTERRA SIP-SERVER is an electronic device used in building automation systems.

TECHNICAL SPECIFICATION:

CPU	ARM® Cortex™-A7 Dual-Core 2 x 1.2 GHz
Memory	Min 1 GB DDR3
Storage	Min 8 GB with EMMC (sandisk) disc technology
Video*	HD H.264 2160p video decoding H.264 High Profile 1080p@30fps or 720p@60fps encoding
Audio*	Integrated HI-FI 100dB Audio Codec 2x15Watts speaker amplifier Analogue Microphone with Noise Cancellation I2S Digital Microphone connector 2 x 3W Speaker
KNX	Certificated by KNX.org
OS	Android 4.2.2 / Linux (Debian / Ubuntu / Fedora / Linaro)
Working Temperature	-20 ºC +70 ºC
USB	2x USB-HOST with USB2.0 spec, 1xUSB-OTG
SATA*	3Gbps SATA connection with SATA POWER
Connectivity	100Mbps Ethernet and USB WIFI
Display	HDMI 1.3 up to 1920x1080p@60Hz 10.1" IPS LCD with 1280x800 resolution @32bit color* 7" IPS LCD with 1024x600 resolution @ 32bits color*
TouchScreen*	10.1" 5point capacitive anti-print finger, 7" 5point capacitive anti-print finger,
Button Interface	Only two buttons is enough to operate: Reset And recovery*
RTC	System includes RTC with CR1220 battery
GPIO	3pcs Relayed Output (5A), 3pcs Input with 2x6 connector 8pcs general purpose IO with VCC and GND connection*
SDCard*	Standard SD-TF card connector up to 64Gbyte storage
Dimensions	170 x 65 x 90 (mm) (WxHxD)

* marked items are available on the PCBA, but not available in current case.

CONNECTORS:

Power System:
SIP-SERVER is powered by a 12V-2A DC power supply. This power supply has a special green coloured 3pin connector which is a terminal block in industrial grade. Pin indications are written on the plastic case. Middle pin is for EARTH connection and it is obsolete.

The reset button on the top cover is used to "Hard Reset" the device manually. This button has an LED indicator. If system is powered, this LED lights on.

KNX System:
KNX system is not used in this product.

HDMI:
For different application purposes, SIPserver has an HDMI connector. Its output is configurable via software.

USB Host:
SIP-SERVER has a USB Host connector in the side panel. This connection extends its storage capacity to almost infinity. Also, this connector can be used for WIFI connection via USB dongle.

Ethernet:
SIP-SERVER has a standard 10/100Mbps RJ45 ethernet connector.

2x6 Pin I/O:
SIP-SERVER has 3inputs and 3 output connector. Both inputs and outputs are optocoupled. Outputs are connected to 12V - 5A panasonic relays.

FEATURES:

- Asterisk based SIP Server, running on Debian 7 Linux
- Support 5000 clients
- Support 100 calls concurrently
- Very very low power consumption (Less than 3watts nominal, less than 10watts max)
- There are no fan, no moving parts
- Expected lifetime of 10years
- Easy to configure via Web Interface
- Supports all kind of SIP Clients (Mobile phones, IP Phones, Intercoms, TouchPanels...etc)

WEB INTERFACE:
SIP-SERVER has a default web interface which can be accessed by two ways:
1) http://IP_ADDRESS_OF_SIP-SERVER
2) http://HOSTNAME_OF_SIP-SERVER

The hostname of the SIP-SERVER is in following format:

i3-last_two_bytes_of_mac_address

Every SIP-SERVER has a unique mac address. Such as 00:04:25:3A:1A:2B

So, the hostname of such device is "i3-1a2b". To open web interface of such device, one only need to type : http://i3-1a2b

SCREEN SHOTS :

User Extensions on PBX

+ Create New User | Modify Selected Users | ✖ Delete Selected Users

List of User Extensions

Where to Buy

	Extension	Full Name	Port	SIP	IAX	DialPlan	OutBound CID		
☐	1000	1000	--	Yes	--	DialPlan1	1000	Edit	✖ Delete
☐	1001	1001	--	Yes	--	DialPlan1	1001	Edit	✖ Delete
☐	1002	1002	--	Yes	--	DialPlan1	1002	Edit	✖ Delete
☐	1003	1003	--	Yes	--	DialPlan1	1003	Edit	✖ Delete
☐	1004	1004	--	Yes	--	DialPlan1	1004	Edit	✖ Delete
☐	1005	1005	--	Yes	--	DialPlan1	1005	Edit	✖ Delete
☐	1006	1006	--	Yes	--	DialPlan1	1006	Edit	✖ Delete
☐	1007	1007	--	Yes	--	DialPlan1	1007	Edit	✖ Delete
☐	1008	1008	--	Yes	--	DialPlan1	1008	Edit	✖ Delete
☐	1009	1009	--	Yes	--	DialPlan1	1009	Edit	✖ Delete
☐	1010	1010	--	Yes	--	DialPlan1	1010	Edit	✖ Delete
☐	1011	1011	--	Yes	--	DialPlan1	1011	Edit	✖ Delete
☐	1012	1012	--	Yes	--	DialPlan1	1012	Edit	✖ Delete
☐	1013	1013	--	Yes	--	DialPlan1	1013	Edit	✖ Delete
☐	1014	1014	--	Yes	--	DialPlan1	1014	Edit	✖ Delete
☐	10800	10800	--	Yes	--	DialPlan1	10800	Edit	✖ Delete

System Status
Trunks
Outgoing Calling Rules
Dial Plans
Users
Users is a shortcut for quickly adding and removing all the necessary configuration components for any new phone.

Ring Groups
Time Intervals
Incoming Calling Rules
Paging/Intercom
Follow Me
Call Features
System Info
Backup
Options
Asterisk Logs

Manage RingGroups

+ New RingGroup

Manage RingGroups

Extension	Ring Group	Members		
200	200	1001(SIP) 1001	Edit	✖ Delete
201	201	1002(SIP) 1002	Edit	✖ Delete

System Status
Trunks
Outgoing Calling Rules
Dial Plans
Users
Ring Groups
Define Ringgroups to dial more than one extension simultaneously, or to ring more than one phone sequentially. This feature may also be called Huntgroups.

Time Intervals
Incoming Calling Rules
Paging/Intercom
Follow Me
Call Features
System Info
Backup
Options
Asterisk Logs

DialPlans

+ New DialPlan

Manage DialPlans

A Dial Plan is a collection of Outgoing Call Rules . Dial Plans are assigned to Users to specify the dialing permissions they have. For example, you might have one Dial Plan for local calling that only permits users of that Dial Plan to dial local numbers, via the "local" outgoing calling rule. Another user may be permitted to dial long distance numbers, and so would have a Dial Plan that includes both the "local" and "longdistance" outgoing calling rules.

Default	Dial Plan	Calling Rules	Options	
☑	DialPlan1	default, parkedcalls, conferences, ringgroups, voicemenus, queues, voicemailgroups, directory, pagegroups, page_an_extension	Edit	✖ Delete
☐	DialPlan2	default, parkedcalls, conferences, ringgroups, voicemenus, queues, voicemailgroups, directory, pagegroups, page_an_extension	Edit	✖ Delete

System Status
Trunks
Outgoing Calling Rules
Dial Plans
A DialPlan is a set of 'Calling Rules' that can be assigned to one or more users.

Users
Ring Groups
Time Intervals
Incoming Calling Rules
Paging/Intercom
Follow Me
Call Features
System Info
Backup
Options
Asterisk Logs