

INTERRA SIP-SERVER

GENERAL INFORMATION



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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 °C +70 °C
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 Middle pin is for EARTH connection and it is obsolete.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>