FE-NANO-SIP

The smart Linux-based IP-INTEGRA SIP-server allows our customers to integrate and control IP door phones, IP-telephony, and IP-audio solutions with ring bells for schools and institutions and patient call centers.

Additionally, the server can be integrated with the system containing nursing and hospital shelters and third-party SIP-servers. With our customers in focus, the server is ready for system customization and OEM development and is scalable to larger systems with 1024 parallel calls and infinite number of clients.

The system can be expanded and adapted to customer needs by purchasing additional features for the SIP server.

IP-INTEGRA SIP-server can be used for offices, private homes, institutions, and large residential complexes.

At a first glance

- Easy configuration of all IP-INTEGRA clients from IP-INTEGRA SIP-server
- Free INTEGRA VoiP APP for Android, iOS and Windows connecting to SIP server regardless of location
- Plug and Play system
- Easy to configure and track on the network
- Combine IP-intercom and IP-public audio solution on the same SIP-server
- Forward calls to landline or GSM number by creating TRUNK connections
- Upload ringtones and pre-recorded voice messages for Audio Paging or IP Broadcast to SIP-audio clients
- Messaging service to Mobile APP
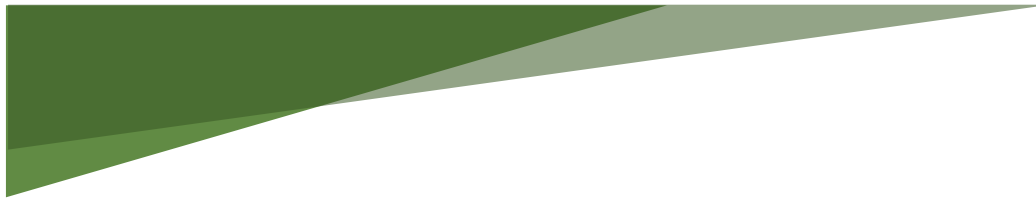- Call-log with limit of 20 entries and Event-log with limit of 400 entries

Hardware	Specification
SoC	Allwinner H2
CPU	H2 Quad-Core Cortex-A7 H.265/HEVC 1080p
GPU	Mali 400MP2 @600Mhz, OpenGL ES 2.0 Support
RAM	256MB/512MB DDR SDRAM
Networking	RJ 45 10/100M, PoE off by default, WI-FI XR819, IEEE 802.11 b/g/n
Bluetooth	Bluetooth 4.1 Classic, Bluetooth Low Energy
Storage	TF Card (Max. 32GB) / SPI flash
GPIO	26-pin header, compatible with Raspberry Pi B+, 13-pin header, with 2x USB, IR pin, Audio(MIC,AV)
Ports	1x USB 2.0 HOST, 1x USB 2.0 OTG, RJ 45, 1x Audio IN,
Supported OS	Android, Lubuntu, Debian, Raspbian
Dimensions	48x46 mm
Weight	26g

Freund IP-INTEGRA SIP-Server – Highlights

- Prompt access to WEB-interface by using "admin" password & username

- Intuitive system set-up does not require advanced network knowledge

- All critical system information on IP-INTEGRA "Dashboard"

- Connect clients from LAN and WAN

- Get support by enabling "Remote Support" on Dashboard

- Create, clone, and disable extensions or group of extensions in seconds

- Synchronize extensions or group of extensions with name list in INTEGRA door stations

- Create and adapt Ring Groups by grouping extensions, mobile-extensions, and external numbers

- Create and schedule periodical play-events of uploaded audio files by using Scheduler option

- Track active calls to check connectivity and forwarding rules

- Check and change network settings and activate DHCP server in closed network without router

- Easy SIP-server port changes out from default values

- Easy system configuration and configuration backup two places: server and license dongle

- Easy after-sale system upgrading and scaling by adding new licence file

- Auto-provision for all IP-INTEGRA clients: IP-terminals, IP-speakers, and Mobile APPs

- System monitoring and prompt warning if extension or trunk is down/up or server restarted

Freund Elektronik A/S, in cooperation with our sister company Freund Elektronika D.O.O. Sarajevo, is developing an IP-Based Intercoms, Audio Systems, Access Control and Smart Home solutions.

As a developer, manufacturer, and reseller, we have been self-improving and perfecting ourselves for over 30 years.

In the industry, we negotiate the most advanced and innovative solutions regarding the building communication. Our daily focus is on the development and user friendliness of our high quality and pleasantly designed products.

As a developer and manufacturer of our own IP-INTEGRA system, we have made a top-of-the-line products for Door Telephony, Public Audio, and Access Control solution.

Our development department, together with our partners, has created elegant and robust door phones, SIP-Centrals, Terminals, IP-Speakers, ACC Controllers, and applications with intelligent features using the most advanced technologies when available, and creating new technologies when they are not while keeping it simple for our customers.