

## IP VarioBell-65 - VoIP SIP audio antivandal intercom

The IP VarioBell-65 intercom is combines antivandal flush mounted design and SIP based IP technology, easy installation and maintenance. The IP VarioBell-65 offers two relay contacts, door sensors (active inputs/contacts), PoE, full duplex audio, one metal call button with illumination during an active call. You can use softphone apps for Apple (iOS), Windows or Android. You can register it as a SIP extension of Wildix, 3CX, Linphone or any other SIP server and IP PBX or use it in P2P mode.

### Basic features:

- IP65 impregnation rating for all-year outdoor use
- stainless steel, antivandal front plate
- one illuminated call button in a robust steel design
- easy flush mounting
- full duplex audio with a suppression of acoustic shock
- 95,3dB speaker output at 1% signal distortion for noisy outdoor environments
- call button can have up to 5 phone numbers assigned for progressive or concurrent/simultaneous calling
- e-mail notification with in case the user is out of reach
- 10 time plans with a weekly program
- 2+2 relay contacts, two physical for connecting two indepent electrical locks and two virtual relay contacts for relays synchronization or remote control of IP relays
- the system of relays synchronization enables combining any type of mode (consecutive door opening, two impluses, etc.)
- optional door sensor contacts
- SNMP monitoring available
- real time clock from NTP server or SIP server
- setup of audio signalling including user loaded audio signalling or audio messages
- email client
- language support
- easy uploading and restoration of configuration
- non-collision firmware upgrade
- WEB based setup interface via a standard web browser
- PoE (Class 0 - 12,95W) or 12V power supply
- ETH – 10/100Mb with 10BaseT and 100BaseTx
- Linux OS, system start in 3 seconds
- SIP connection either in P2P or PBX (SIP server) mode



### Model available:

Flush mounting, antivandal, stainless steel version:  
230551 IP VarioBell-65-T1 audio with one illuminated metal call button



### Applications:

The IP VarioBell-65 intercom is connected to the computer LAN network via a UTP Ethernet cable. It is designed to communicate over SIP VoIP protocol either in peer-to-peer mode (P2P) or in a SIP server mode (SIP client).

The IP VarioBell-65 intercom can communicate with all devices using the SIP standard. For example SIP phones, PC computers with Windows OS. It can be linked to iOS smartphones and tablets (iPhone), Android smartphones or monitors.

IP VarioBell-65 is suitable for all types of installations including SOS points of emergency in streets, roads or motorways, factory areas, office complexes, schools, hospitals, restaurants, hotels, apartment houses, etc.

### Relays switches:

Relays switches play an important role in the doorphone system. You can control electrical door locks, gates, door-latches or lighting.

The relays can be controlled via http(s) protocol (via keys of VoIP phone).

IP VarioBell-65 has two relay switches. The first relay is a switching contact NC COM NO, the second one is a closing contact COM NO.

### Suitable for specific outdoor projects:

A flush-mounted panel/box: The IP VarioBell-65 intercom can be recessed into the front panel in the payment area. The intercom is vandal-proof, weatherproof, IP65-rated, with SIP protocol, full-duplex bidirectional audio, echo cancellation, noise reduction, a metal call button, an active call indicator LED integrated into the metal call button, and it has adjustable speaker volume and microphone sensitivity. It is suitable for operating temperatures from -10 to 55°C. Remote management via web interface, and it offers additional active contacts for integration with other systems. It offers full IP65 impregnation protection. It's been designed as an outdoor intercom, therefore it has a sound level of more than 90 decibels (dB) to ensure proper hearing, especially in noisy environments such as highways.

### Electrical parameters:

Parameter	Value	Conditions
Communication interface	Ethernet 10Base-T, 100Base-Tx	
VoIP protocol	SIP	
Audio	G.711u, G.711a, G.722, G.726, GSM, G.729	
Bandwidth	300Hz – 3400 Hz	
Power supply voltage - adapter	12VDC ± 2V , 12VAC± 1V	
- or PoE	IEEE802.3af Class 0 -12W	
Max. power consumption	300mA	12VDC
Max. closing voltage of the relay	48V	at I < 1A
Max. closing current of the relay	2A	at U < 30V
Operating temperatures range	- 30°C to + 60°C	

### Mechanical dimensions (flush mount):

Type of IP VarioBell-65	Size HxWxD [mm]
IP VarioBell-65-T1 flush	Front plate: 215x115x2 ; Flush box: 185x110x57

