ALPHATECH TECHNOLOGIES s.r.o.
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IP BOLD65 VoIP video door entry phone station

The SIP based IP BOLD65 door intercom is used for an easy way of communication both for companies and households. IP BOLD65 combines modern design and technology, easy installation and maintenance. IP BOLD65 offers two relay contacts, PoE, full duplex audio, a wide angle colour camera and one or two call buttons. You can use audio and video softphone apps for Apple (iOS), Windows or Android such as ZoiPer, X-Lite or Linphone. You can register it as a SIP extension of Wildix, 3CX, Linphone or any other SIP server and IP PBX.

Basic features:

- IP65 impregnation rating for all-year outdoor use
- 22mm thin profile with stainless steel front plate
- one or two call buttons in a robust steel design
- easy surface mounting on the wall for flush into the wall
- full duplex audio with a suppression of acoustic shock
- 95,3dB speaker output at 1% signal distortion for noisy outdoor environments
- each call button can have up to 5 phone numbers assigned for progressive or concurrent/simultaneous calling
- e-mail notification with an image attachement 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.)
- 10 edittable codes for each relay, also each user can have his own door entry code for each relay contact
- COSW code-relay HW for safe activation of locks supported
- optional door sensor contacts
- SNMP monitoring available
- real time clock from NTP server or SIP server
- advanced options for setup of call buttons´ functions, setup of level of illumination, call duration limitation, , mode of dialling and codelock keypad, etc.
- setup of audio signalling including user loaded audio signalling or audio messages
- email client
- setup of video including video streaming
- language support
- easy uploading and restoration of configuration
- non-collision firmware upgrade
- system logs can be stored to an optional MicroSD card
- storing images/video/audio to an optional MicroSD card
- 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
- video transmission to the web browser – JPEG, video transmission to VoIP phones – H.263, H.264
- SIP connection either in P2P or PBX (SIP server) mode, easily set via web based interface

Models available:

Surface mounting on the wall:
230511 IP BOLD65 T1   audio with one call button
230512 IP BOLD65 T2   audio with two call buttons
230501 IP BOLD65 T1C   audio with one call button, colour camera
230502 IP BOLD65 T2C   audio with two call buttons, colour camera

Flush mounting into the wall:
230531 IP BOLD65 T1   audio with one call button
230532 IP BOLD65 T2   audio with two call buttons
230521 IP BOLD65 T1C   audio with one call button, colour camera
230522 IP BOLD65 T2C   audio with two call buttons, colour camera

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Applications:

The IP BOLD65 doorphone is a door entry phone station which 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 BOLD65 doorphone can communicate with all devices using the SIP standard. For example SIP video phones, PC computers with Windows OS. Via WiFi it can be linked to iOS smartphones and tablets (iPhone/iPad), Android smartphones and tablets. You can either use our Universal Door Video softphone application (UDV SW), or you can use 3rd party SIP softphone apps, e.g. ZoiPer, Linphone or 3CX.

IP BOLD65 is suitable for all types of installations including 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 protocol (via keys of VoIP phone) or by pressing a combination of call buttons of the doorphone.

IP BOLD65 has two relay switches. The first relay is a switching contact NC COM NO, the second one is a closing contact COM NO.

Electrical parameters:

Parameter	Value	Conditions
Comunication interface	Ethernet 10Base-T, 100Base-Tx	
VoIP protocol	SIP	
Audio	G.711u, G.711a, G.722, G.726, GSM, G.729	
Video	series JPEG, MJPG, stream H.263, H.264	
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 (surface or flush mount):

Type of IP BOLD65 doorphone	Size HxWxD [mm]
IP BOLD65-Txx surface	203 x 124 x 22
IP BOLD65-Txx flush	Front plate: 233x154x2 ; Flush box: 206x128x40

Camera:

Video call resolution	640 x 480 (0,3MPx)
Lens angle	110°H, 110°V
Number of frames	1 – 15 frames/sec
Connection of internal camera	USB 2.0
Illumination (night vision)	4 white LEDs