ALPHA Tech

IP BOLD VoIP video door entry phone station

The SIP based IP BOLD door entry phone station is used for an easy way of communication both for companies and households. IP BOLD combines timeless alluminium design, modern technology , easy installation and maintenance. IP BOLD offers two relay contacts, PoE, full duplex audio, a wide angle colour camera and a optional numerical dialling keypad. You can use audio and video softphone apps for Apple (iOS), Windows or Android such as UDV SW, ZoiPer, Linphone or 3CX.

Basic features

- full duplex audio with a suppression of acoustic shock
- a phone book for up to 999 users (e.g. for keypad use)
- each user can have up to 3 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 for models with one or two call buttons
- 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

230101 IP BOLD T1	audio with one call button
230102 IP BOLD T2	audio with two call buttons
230104 IP BOLD T4	audio with four call buttons
230201 IP BOLD T1C	video with one call button, col. camera
230202 IP BOLD T2C	video with two call buttons, col. camera
230204 IP BOLD T4C	video with four call buttons, col. camera
230301 IP BOLD TK1	audio with one call button and keypad
230304 IP BOLD TK4	audio with four call buttons and keypad
230401 IP BOLD TK1C	video with one call but., keypad, c. cam.
230404 IP BOLD TK4C	video with four call but., keypad, c. cam.

Applications

The IP BOLD 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 BOLD 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 BOLD 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), by pressing a combination of call buttons of the doorphone or by entering an access code via the doorphone´s keypad.

IP BOLD 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

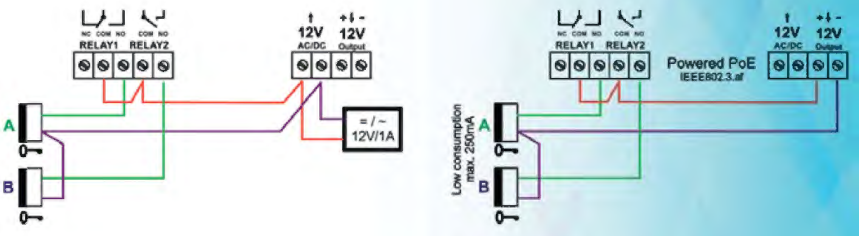
Parameter	Value	Conditions
Comunication interface	Ethernet 10Base-T, 100Base-Tx	
VoIP protocol	SIP	
Audio	G.711u, G.711a, G.726, GSM, G.729	
Video	series JPEG, MJPG, stream H.263, H.264	
Bandwidth	300Hz – 3400 Hz	
Power supply voltage - adapter	12VDC ± 2V , 12VAC± 1V	
- or PoE	IEEE802.3af Class 0 -12W	
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	- 20°C to + 60°C	

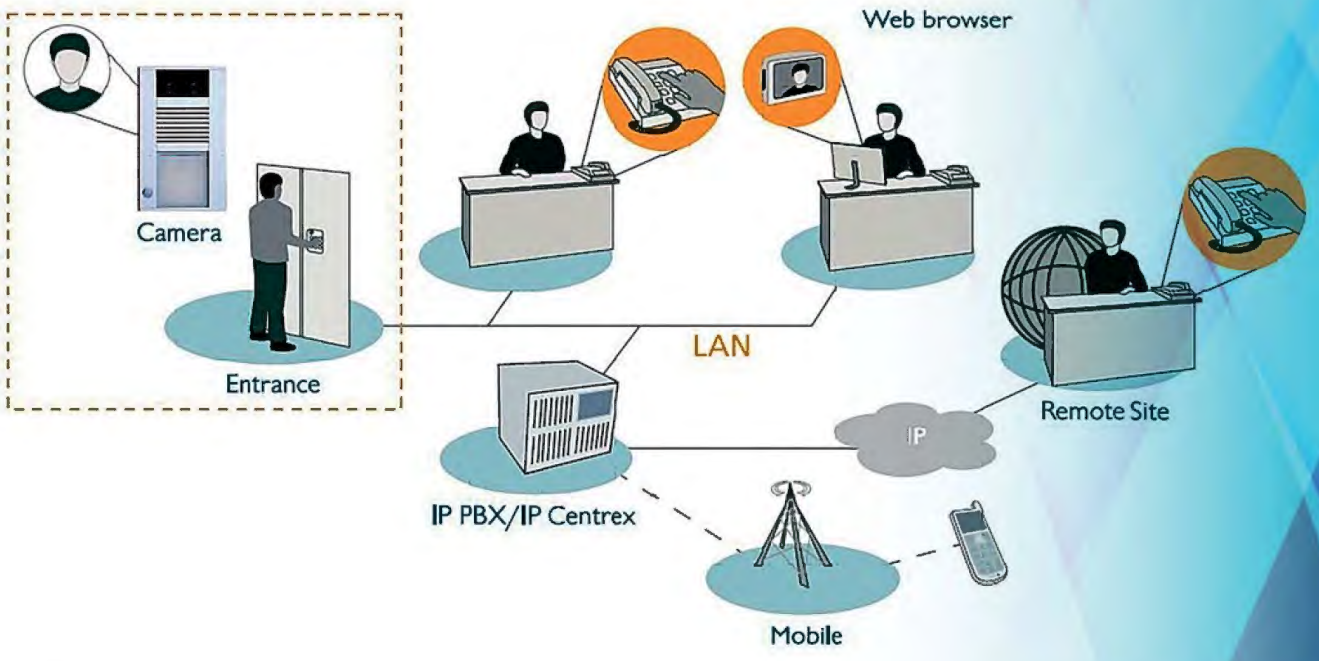
Mechanical dimensions (surface mount)

Type of IP BOLD doorphone	Size HxWxD [mm]
IP BOLD-Txx	204 x 135 x 20
IP BOLD-TKxx	279 x 135 x 20

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





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