DoorBird IP video door intercom D2100E for integration purposes - Engineering Edition

Product number 1298-D2100E



Product description

DoorBird IP video door intercom D2100E Engineering Edition for integration purposes

The DoorBird IP video door intercom D2100E Engineering Edition is intended for integration into bespoke front panels, mailbox systems, doorbell panels and custom-made solutions. It combines IP-based door communication with HD video, two-way audio, RFID access control, a 4D motion sensor and two freely configurable switching relays.

The DoorBird D2100E is connected to the network via LAN and can be powered by Power over Ethernet. Alternatively, a power supply of 15 V DC is possible. With appropriate installation, connection can also be made via an existing two-wire line in conjunction with a DoorBird 2-wire Ethernet PoE+ converter.

For bespoke mailbox systems and door stations

The Engineering Edition is specially designed for integration purposes. Call buttons and hardware expansion modules are not included and are available separately. For multi-occupancy systems, licensed multi-tenant support and suitable hardware extension modules such as MTM14E, MTM18A, keypad modules, display module or info module can be used.

IP door communication with video, audio and access functions

Visitors can be displayed and spoken to via smartphone, tablet, IP phone or SIP-capable systems. The open API enables integration into smart home, building automation and NVR systems. Using the DoorBird app, schedules, RFID permissions, relay actions, push notifications and other events can be configured individually.

Technical specifications

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Product	DoorBird IP video door intercom D2100E Engineering Edition
Version	Engineering Edition for integration purposes
Application	Integration into bespoke front panels, mailbox systems, doorbell panels and custom-made solutions
Power supply	15 V DC, max. 15 W, or Power over Ethernet, PoE 802.3af Mode-A
Operating conditions	-25 °C to +55 °C Relative humidity 10% to 85%, non-condensing
Camera	HDTV 720p, dynamically from VGA to HDTV
Lens	High-end ultra-wide-angle, hemispheric, 180° diagonal, 140° horizontal, 100° vertical, dewarped, IR-capable
Night vision	Light sensor, automatic IR-cut filter, 12 infrared LEDs at 850 nm
Audio	Speaker and microphone Echo and noise suppression, AEC and ANR Two-way audio, full duplex
Ethernet	RJ45 socket, PoE 802.3af Mode-A, 10/100 Base-T
Supported protocols	HTTP, HTTPS, SSL/TLS, Bonjour, DNS, RTSP, RTP, TCP, UDP, RTCP, ICMP, DHCP, ARP, SIP, DTMF, STM
Connections	RJ45 for LAN/PoE Bistable latching relay #1, max. 24 V DC/AC, 1 A Bistable latching relay #2, max. 24 V DC/AC, 1 A External input for door release button 15 V DC input (+, -), max. 15 W
Switching relays	2 x freely configurable bistable latching relays, e.g. for electric door strike, gates or other switching functions
Relay extension	Expansion or remote switching via DoorBird IP I/O door controller possible
Motion sensor	Active 4D motion sensor with 24 GHz Detection angle 54° horizontal, 70° vertical Range 1 - 10 m, dependent on environment, configurable in 1 m increments
Motion sensor configuration	Range Movement direction: approaching, leaving or both Custom events, e.g. trigger relay, push notification, SIP call or HTTP(s) notification Custom schedules
RFID	Active reader / passive transponder system, ARPT Standard ISO/IEC 18000-2:2009 Part 2, EM4100, EM4102 Frequency 125 kHz Range 0 - 3 cm, dependent on environment Up to 500 transponders can be managed
RFID configuration	Management via app Add and remove transponders Custom events and schedules RFID history in the app available for 60 minutes
Integrated radio modules	RFID 125 kHz 24 GHz sensor, can be disabled
IP features	Video and audio call to smartphone, tablet, IP phone or landline via SIP Open API for third-party and SIP integration Smart Transmission Mode, STM Visitor history with free image storage, optional video recording available Automatic door release Geofencing Smart home and NVR integration

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Simultaneous video streams	One stream for event-based and continuous recording
Weatherproof	Yes, IP65
Approvals	IP65, CE, FCC, IC, RoHS, REACH, IEC/EN 62368, IEC/EN 62471, UL 62368-1
Recommended mounting height	Camera lens at least 145 cm; the optimal mounting height must be determined on an object-specific basis prior to installation
System requirements	Mobile device with current iOS or Android High-speed fixed-line broadband connection via DSL, cable or fibre No SOCKS or proxy server Ethernet network with DHCP
EAN	4260423869134
Manufacturer article number	423869134
Scope of delivery	1 x main electronics unit 1 x mounting plate for main electronics unit 1 x RFID key fob 1 x quickstart guide with Digital Passport 1 x installation manual 1 x small parts kit
Optional accessories	DoorBird plug-in power supply 15 V, EAN 4260423867314 DoorBird 2-wire Ethernet PoE+ converter A1072 DoorBird IP I/O door controller A1081 Call buttons and hardware extension modules, available separately

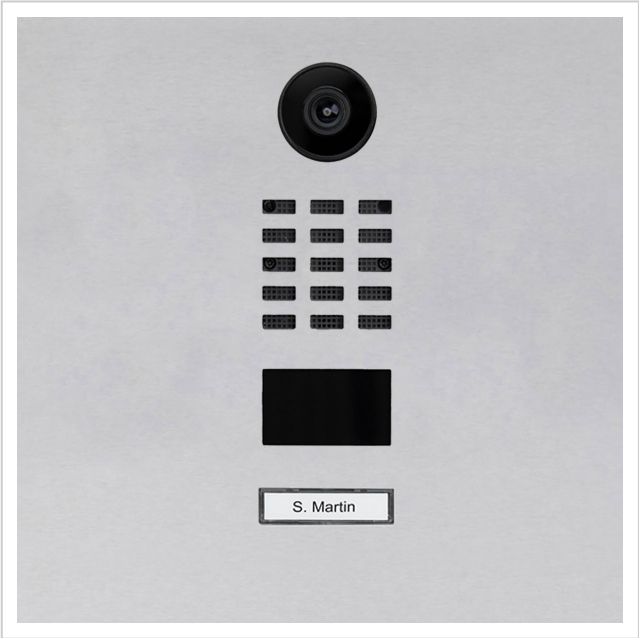
Notes

- The DoorBird D2100E is an Engineering Edition for integration purposes and is supplied without call buttons and without hardware extension modules.
- Call buttons, multi-tenant support and drivers for hardware extension modules are available separately.
- For installation behind bespoke front panels, the DoorBird notes and technical drawings must be observed to maintain warranty entitlement.
- For bespoke front panels, mailbox systems and doorbell panels, professional planning of the installation position, cable routing, drainage and ventilation is required.
- Installation must be carried out by a qualified electrician.

Dimensions

Width in mm	74
Height in mm	186
Total width in mm	74
Depth in mm	48
Weight in kg	0.36

More images



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