SIP INTERCOM · FLUSH-MOUNTED

TCM-P316M/S

Clean IP Intercom

Flush-mounted SIP intercom with metal keypad for clean and controlled environments.

PoE / 12–24 V DC | **IP55** | **IK10** | **SUS316**



Full Duplex — SIP 2.0 · RFC 3261

HD Audio — G.722 · 2 W speaker

Metal Keypad — Dustproof, 12 keys

IP55 — Dust & water

IK10 — Vandal resistant

PoE — 12VDC

DESCRIPTION

The TCM-P316M/S is a full-duplex SIP intercom for clean rooms and other controlled environments. Its smooth SUS316 stainless-steel face, dust-proof metal keypad and call button leave no gaps for dust and wipe clean easily, and the unit mounts flush in the wall with a recessed back box. It registers on any SIP 2.0 server with G.722 HD audio and G.167 / G.168 echo cancellation, runs on PoE or 12–24 V DC, and offers one dry-contact output for a door lock or alarm. IP55, IK10 and K.21 lightning protection keep it reliable, while the web GUI and remote upgrade simplify setup.

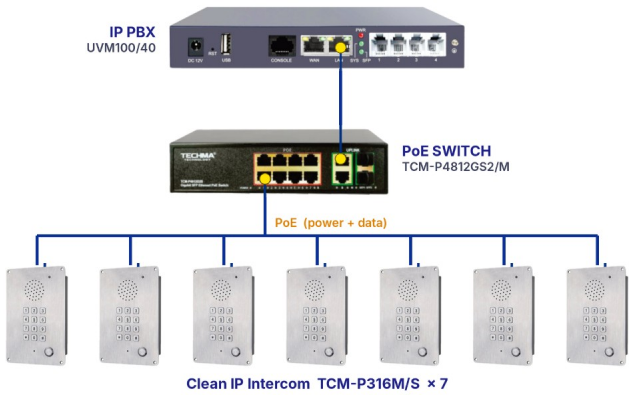
FEATURE

- SUS316 stainless-steel face, easy to clean
- Dustproof metal keypad and call button
- Full-duplex SIP 2.0, G.722 HD audio
- Echo cancellation G.167 / G.168
- PoE 802.3af or 12–24 V DC
- 1 dry-contact output (door / alarm)
- IP55, IK10, K.21 lightning protection

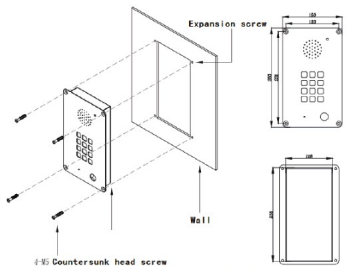
TECHNICAL SPECIFICATION

MODEL	TCM-P316M/S		
Model	TCM-P316M/S	**Communication**	Full duplex, SIP 2.0 (RFC 3261)
Audio Codecs	G.711, G.723.1, G.729, G.722	**Echo Cancellation**	G.167 / G.168
Speaker / Ring	2 W, > 80 dB(A) @ 1 m	**DTMF**	SIP INFO, RFC 2833
Keypad	Metal, dustproof + call button	**Material**	SUS316 stainless steel
Power	PoE 802.3af or 12–24 V DC	**Network**	802.1X, STP / RSTP, DHCP / static
Configuration	Web GUI, remote auto upgrade	**Lightning**	ITU-T K.21
Aux Output	1 dry contact, 1 A @ 30 V DC	**Mounting**	Flush, recessed back box
Dimension	250 × 150 × 43 mm	**Net Weight**	1.22 kg
Protection	IP55 / IK10	**Operating Temp.**	−30 °C to +70 °C
Humidity	10 – 95% RH	**Reliability**	MTBF 100,000 h; MTTR 2 h
Pressure	86 – 106 kPa	**Packing**	290 × 170 × 95 mm, 2.0 kg

INSTALLATION TOPOLOGY



DIMENSION



Front 250 × 150 mm · depth 43 mm · back box 236 × 118 mm · 4 × M5

APPLICATION

- Clean rooms
- Medical devices
- Pharmaceutical plants
- Semiconductor & electronics
- Biopharmaceutical
- Food & beverage
- Laboratories
- Controlled environments

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