



i503W SIP Indoor Station

Overview

The i503W is a compact, wire-free indoor station tailored for retrofit and hard-to-wire projects. With its built-in rechargeable battery, Type-C interface, and plug-and-play design, it allows installers to deploy it rapidly while minimizing wiring costs. Designed for modern apartments, villas, and legacy buildings, i503W delivers a flexible, reliable, and convenient intercom experience, positioning it as the ideal choice for cost-effective, fast-deployment projects.

Features



2.8" color display supporting audio & video intercom with door phones



Wire-free, battery-powered design for long standby and flexible placement



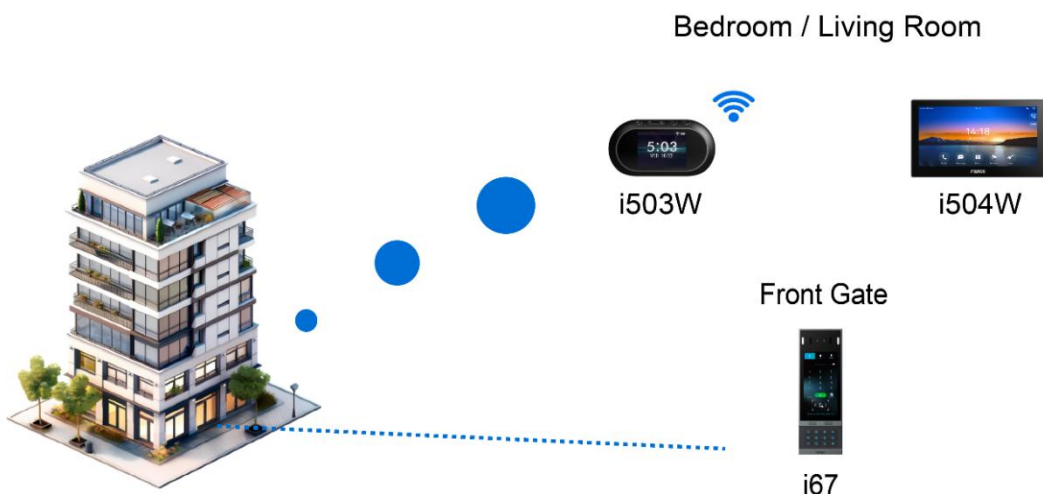
Crystal-clear voice with G.722 & Opus codecs and 5-meter pickup range



One-touch family call and multi-party full-duplex communication



2.4 GHz & 5 GHz Wi-Fi 6 for high-speed, robust wireless performance



Specification

Applications	Residential communities, office buildings, villas
Display	2.8-inch IPS color screen, resolution 320 × 240 pixels
Casing Material	ABS + PC
Button	5 programmable physical buttons
Speaker	5 W multimedia speaker
Battery Capacity	2600 mAh (typical capacity); 2470 mAh (rated capacity)
Wi-Fi	Dual-band 2.4 GHz and 5 GHz Wi-Fi 6, IEEE 802.11 a/b/g/n/ac/ax
Power Supply	5 VDC, 2 A
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Storage Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Humidity	10% to 90% RH
Product Dimension	129.5 mm × 59.6 mm × 67.5 mm (5.10" × 2.35" × 2.66") (L × W × H);
Installation	Desktop Installation
Gross Weight (G.W)	395.3 g
Package Dimensions	Gift Box: 147.0 mm × 145.0 mm × 63.0 mm (5.79" × 5.71" × 2.48") (L × W × H); Outer CTN: 340.0 mm × 310.0 mm × 318.0 mm (13.39" × 12.20" × 12.52") (L × W × H);
QTY/CTN	20 pcs

Functions

Supported Protocols	SIP 2.0 over UDP/TCP/TLS
Audio	Narrowband codec: G.711a, G.711u, G.729AB, iLBC; Wideband codec: G.722, Opus; Full-duplex hands-free communication with Acoustic Echo Cancellation (AEC)
Video	H.264
DTMF	In-band, out-of-band (RFC2833, SIP INFO)
Do Not Disturb (DND)	Supported
Additional Functions	Remote door unlocking, one-touch family call