WDU710

7-inch Video Intercom Indoor Unit

The WDU710 is a 7-inch color-screen indoor unit designed for residential communities, villas, office buildings and other premises. It lets users answer calls from door stations, hold two-way intercom conversations and unlock doors remotely, providing reliable security and convenient visitor management for a safe, comfortable living environment.



7" Capacitive touchscreen	**1024 x 600** Display resolution	**3 W** Speaker with AEC
1 SIP Line for VoIP systems	**8-way** GPIO alarm inputs	**PoE / DC** 100M Ethernet, 12V/2A

KEY FEATURES

- Sleek, modern design with stable performance
- 7-inch LCD touchscreen, 1024 x 600, 10-point capacitive touch
- Built-in 3 W speaker with Acoustic Echo Cancellation (AEC) for clear hands-free calls
- 1 SIP line for seamless integration with VoIP systems
- 8-way GPIO alarm inputs for security connections
- 3-way TTL serial ports for Bluetooth / Zigbee / RS485 expansion
- H.264 video and PCMU / OPUS audio codecs
- Answer door-station calls, two-way intercom and remote door unlock

APPLICATION SCENARIOS

Residential Communities	Villas	Office Buildings	Multi-tenant Complexes

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TECHNICAL SPECIFICATIONS

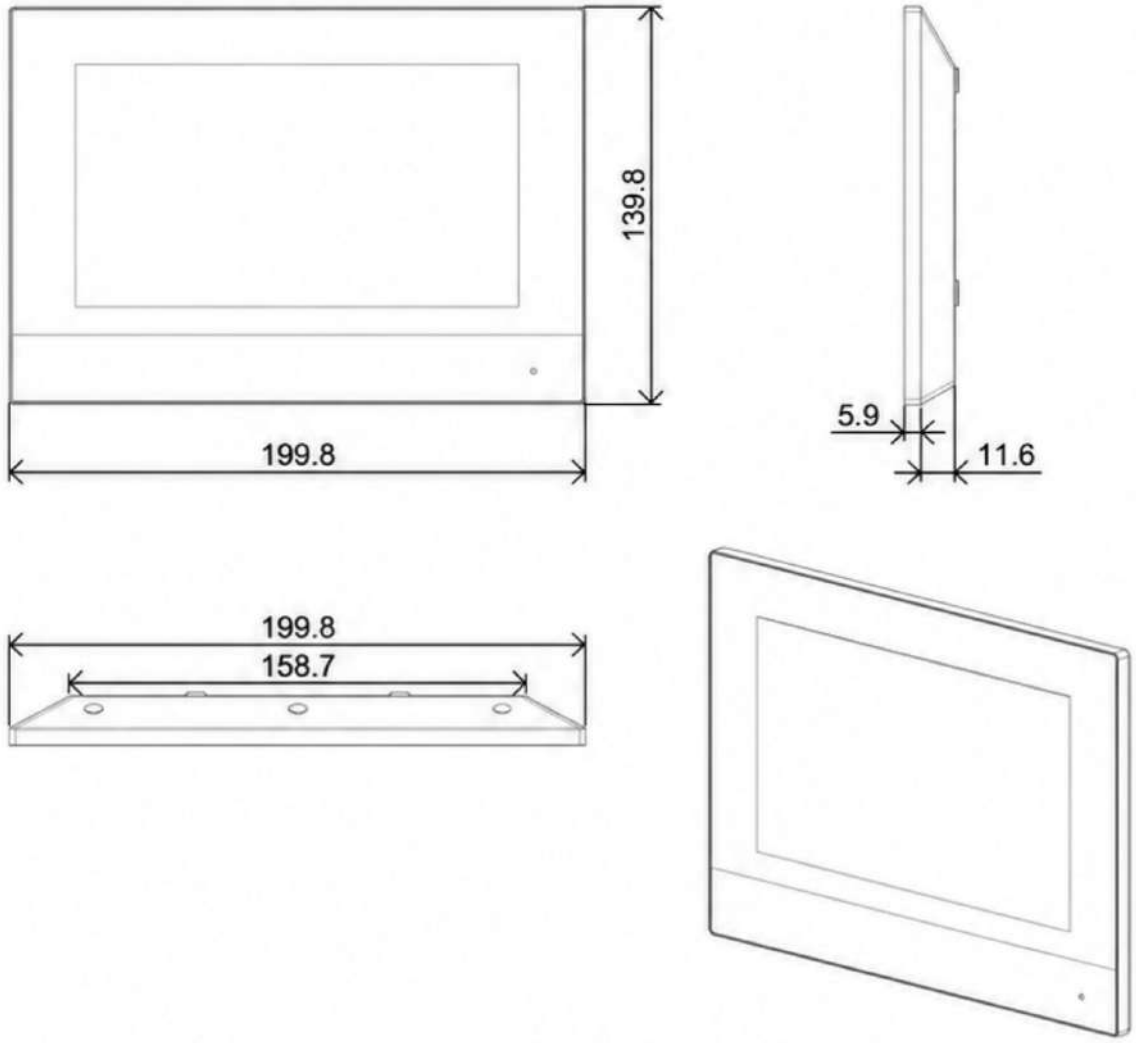
DISPLAY	
Screen	7-inch LCD touchscreen
Resolution	1024 x 600
Touch	10-point capacitive
Aspect ratio	16:10
Brightness	250 cd/m^2
Contrast ratio	800:1
INTERFACES	
Serial port	3-way TTL, for Bluetooth / Zigbee / RS485 expansion
Ethernet	100M, 18V PoE
IIC	1-way
ADC	1-way
Security interface	8-way GPIO inputs
Audio input	1-way MIC input
Speaker	1-way 3 W output
AUDIO	
Codecs	PCMU, OPUS
Sampling rate	8000 Hz
VIDEO	
Codec	H.264
Bitrate	400 Kbps
Frame rate	30 fps
Resolution	640 x 480
NETWORK & SYSTEM	
Communication	TCP/IP
Operating system	Linux 4.9
CPU	Dual-core ARM Cortex-A7
DDR	1 Gbit
Flash	128 Mbit
POWER & ENVIRONMENT	
Power supply	DC 12V / 2A
Operating voltage	8V - 20V (over-voltage protection: 20V - 30V)
Standby power	≤ 1 W
Total power consumption	≤ 5 W
Operating temperature	-10°C to 60°C
Storage temperature	-20°C to 70°C
PHYSICAL	
Dimensions	200 x 140 x 20 mm
Accessories	4 x expansion tubes, 4 x self-tapping screws, 1 x certificate, 2 x connection cables

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ORDERING MODEL

WDU710	7-inch Tablet Indoor Unit

DIMENSIONS (MM)



Drawing dimensions: 199.8 x 139.8 mm front; 158.7 mm mounting span; 11.6 mm depth. Nominal size: 200 x 140 x 20 mm.