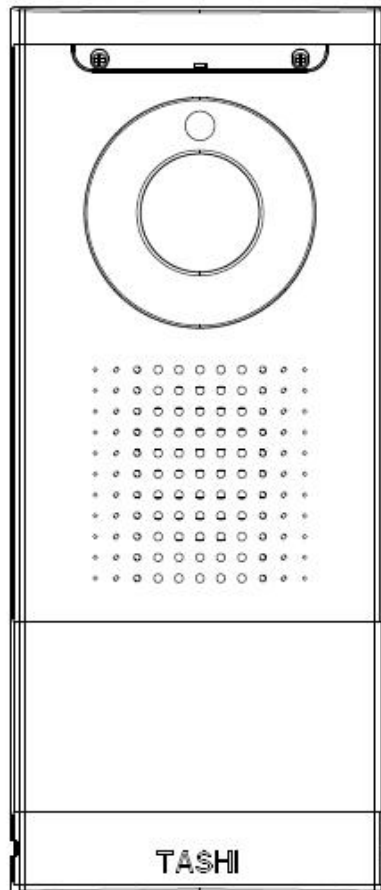


Intercom & Access Control Terminal

MT200-CME0AG



Quick Reference Guide

400723G Version 1.0

About This Manual

This manual explains how to install, operate and maintain the MT200-CME0AG Intercom & Access Control Terminal.

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Unitech TASHI Web site: <http://www.unitech-sbd.com>

Unitech Global Web site: <http://www.unitech-adc.com>

Regulatory Compliance Statements

FCC Warning Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following:

- Relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit that is different from the receiver.
- Consult the dealer or an experienced radio/television technician for help.

Canadian Compliance Statement

Industry Canada Notice Operation is subject to the following two conditions: (1) This device may not cause interference and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

European Conformity Statement

Declaration of Conformity with Regard to the R&TTE 1999/5/EC and EMC 89/336/EEC directives.

RoHS Statement

This device conforms to RoHS (Restriction of Hazardous Substances) European Union regulations that set maximum concentration limits on hazardous materials used in electrical and electronic equipment.

Taiwan NCC Warning Statement

根據 NCC 低功率電波輻射性電機管理辦法 規定:

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。



第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

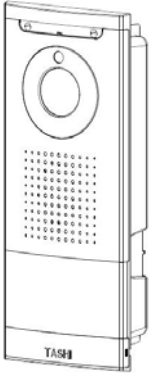
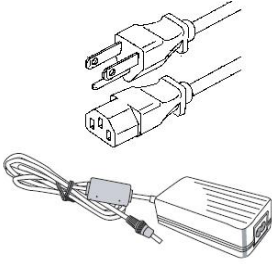
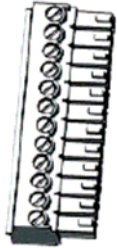
Warranty

The following items are covered under Unitech Limited Warranty:

- MT200-CMEOAG Intercom & Access Control Terminal -- 1-year limited warranty.
- Cables -- three-month limited warranty.

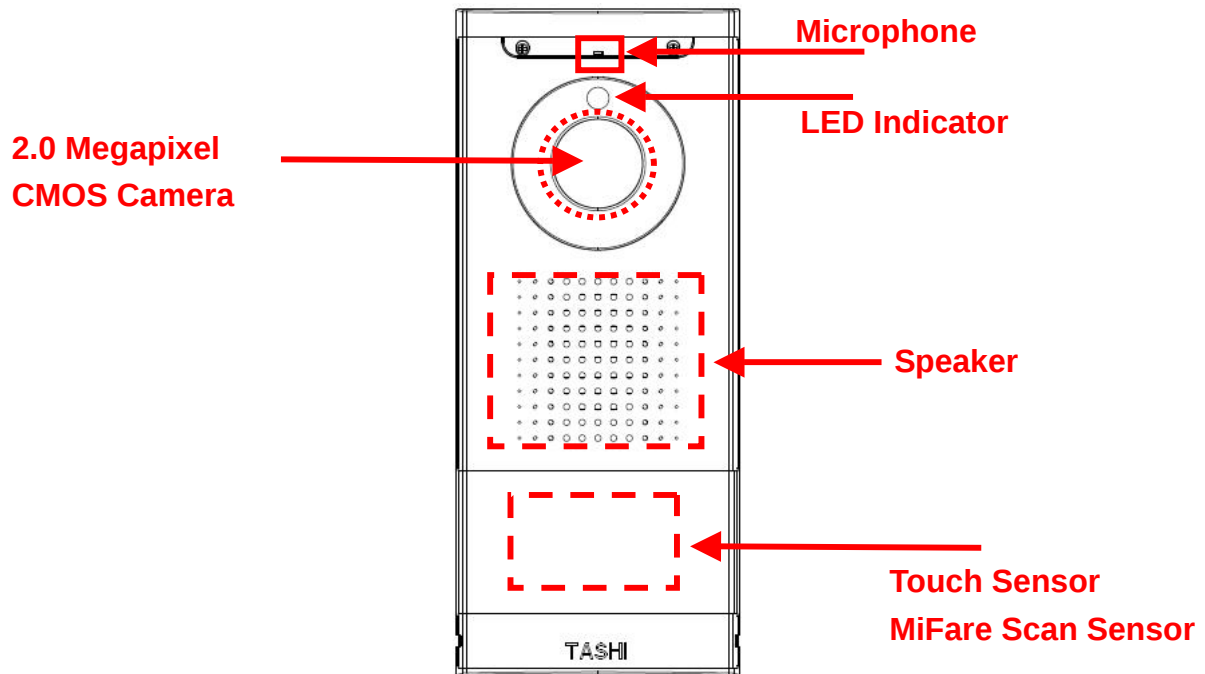
Contents of Package

After Opening the box, ensure that the following items are present.

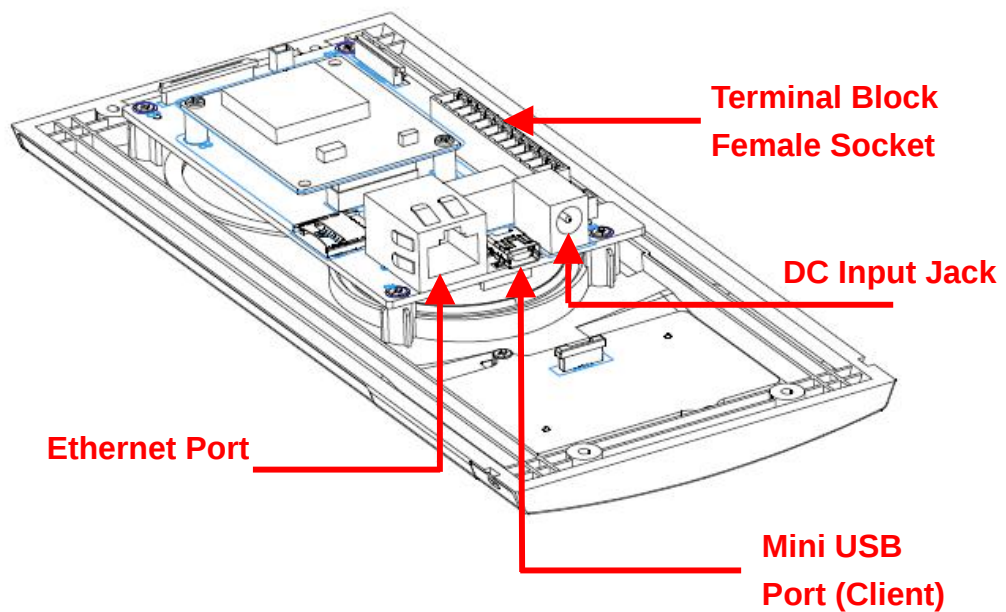
	
MT200-CME0AG Model	MiFare Card (Optional)
	
Power Adapter (Optional)	Terminal Block Plug
	
Unitech CD-ROM (User Manual / Quick Reference Guide)	

If there is a shortage of parts or if there are defective parts, please contact regional sales representatives.

Front View



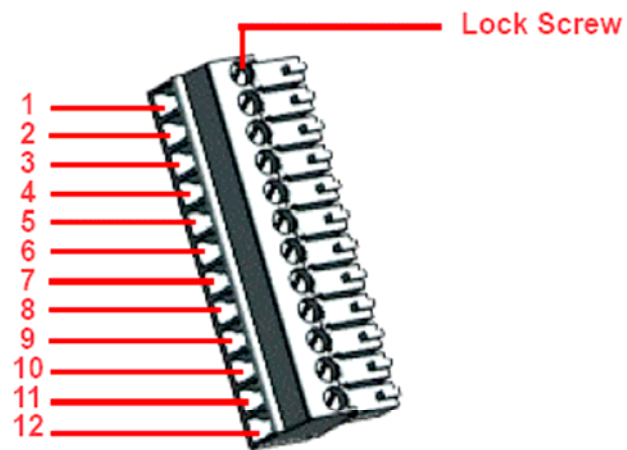
Rear View



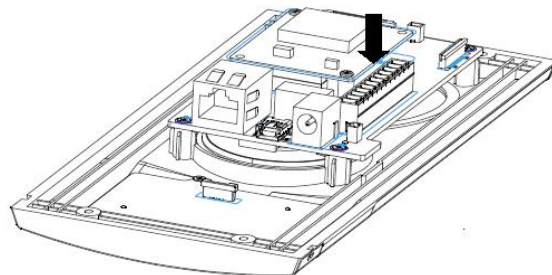
Using Terminal Block

MT200-CME0AG is designed with a 12-pin terminal block for input/output signals. To install the 12-pin block, refer to the instruction made below.

1. Insert the stripped ends of the wires respectively into terminal block sockets of the male plug (see the illustration made below), and then tighten the lock screw to secure the wire.



2. Then, insert the terminal block plug into the female socket of MT200-CME0AG.



Terminal Block Pin Assignment

Pin	Name	Description
1	(N/A)	(N/A)
2	(N/A)	(N/A)
3	D1+	Input Anode (+)
4	D1-	Input Cathode (-)
5	RS485+	RS485, Positive
6	RS485-	RS485, Negative
7	R1-C	Common
8	R1-NO	Normal Open
9	R1-NC	Normal Close
10	(N/A)	(N/A)
11	12 Vin	DC IN 12V
12	GND	GND

Relay Output

RL1-CTRL→High	R1 (C & NO Linked)
RL1-CTRL→Low	R1 (C & NC Linked)

Digit Input

D1+ and D1- are the positive and negative terminals of the external power input.

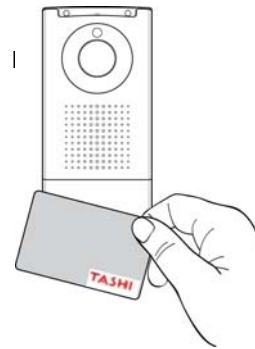
D1 = High	Digit input1 = High
D1 = Low	Digit input1 = Low

Using MT200-CME0AG

MT200-CME0AG is easy for users and visitors respectively to open the door and call the house owner to open the door.

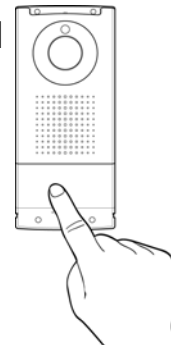
Using Mifare card for access control

MT200-CME0AG is featured with a MiFare scan sensor compatible with the Mifare card. Thus, you keep the card near the black sensor area at the distance of approximately 4cm to make MT200-CME0AG read the card data. After reading the right data, MT200-CME0AG will drive the door to open.



Touching the sensor with your finger for doorbell

MT200-CME0AG is featured with a touch sensor that you may touch with your finger in the center of sensor area to make the doorbell ring. Visitors may call persons in the house by touching the sensor to open the door.



System Specification

Processing/Memory	CPU	Intel Bulverde PXA 270CE520 MHz
	Memory	FlashROM: 256MB SDRAM: 128MB
OS	Microsoft Windows CE 5.0	
Capacitance Keypad	One touch key	
Communication	RS485: RS485+ / RS485- Ethernet: One RJ45 USB: v1.1 Client (for developer only)	
Multimedia	Camera: Micron 2.0 megapixel CMOS Speaker: 0.8-watt stereo speaker Microphone: Omni Direction, -42dB sensitivity, 60d S/N rate	
Elfin Middleware	Video Streaming ➤ Follows RTSP, RTP/RTCP protocol ➤ Audio/Video Codec: G.711 and MPEG4 VoIP/V2oIP ➤ Follows RFC3261 SIP protocol ➤ Audio/Video Codec G.711, A/u law, and MPEG4 ➤ SIP phone client: Windows XP, WinCE 5.0 and Mobile 5.0	
I/O Control	Relay: One relay (2A 30 Vdc) Digital input: One photo-coupler (3.3V ~ 12V)	
Power Source	Power input: DC 12V/2A	
Weight	279±3g	
Dimension	213.07mm (L)*90mm (W)*43.9mm (D)	
Environment	Operating Temperature	14°F~122°F (-10°C~50°C)
	Storage Temperature	-4°F~158°F (-20°C~70°C)
	Relative Humidity	5% to 95% RH non-condensing
Certification	FCC and NCC	
RFID Reader	Mifare: 13.56MHz (ISO14443 A/B, ISO 15693) Reaction distance: 0~4cm	

Worldwide Support

Unitech's professional support team is available to quickly answer questions or technical-related issues. Should an equipment problem occur, please contact the nearest Unitech regional service representative. For complete contact information please visit the Web sites listed below:

Region	Web Site
Global Operation Center	www.unitech-adc.com
Unitech Asia Pacific & Middle East	www.unitech-utp.com.tw
Greater China Division	www.unitech-sbd.com
Unitech Japan	www.unitech-japan.co.jp
Unitech America	www.ute.com
Unitech Latin America	www.latin.ute.com
Unitech Europe	www.unitech-europe.nl