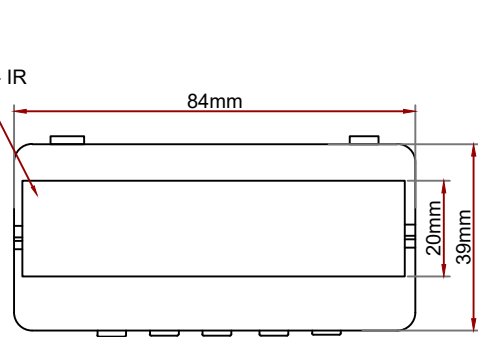
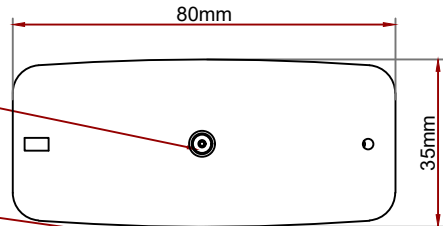


TOP VIEW OF TEMSEN - IR THERMAL BODY TEMPERATURE DETECTION UNIT



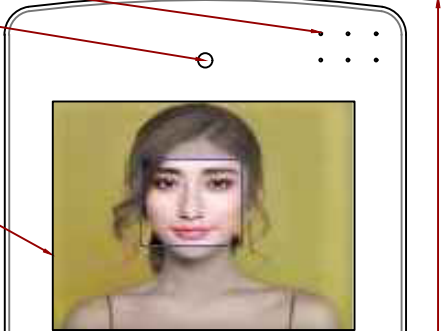
TOP VIEW

TEMSEN - IR THERMAL BODY TEMPERATURE DETECTION UNIT



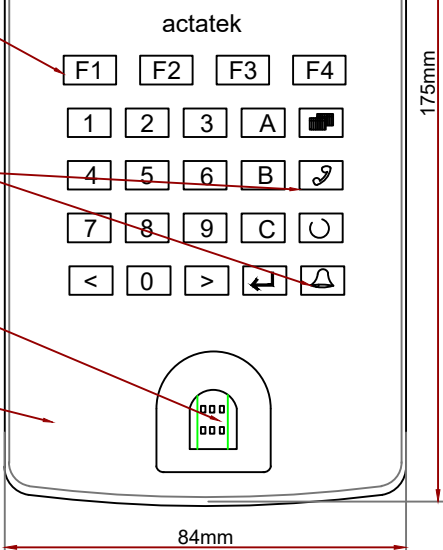
SPEAKERS

BUILT-IN CMOS CAMERA FACIAL RECOGNITION & QR AUTHENTICATION



LCD SCREEN WITH STANDBY INFORMATION

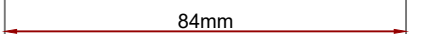
KEY PAD



KEYPAD WITH SIP INTERCOM AND DOOR ALARM

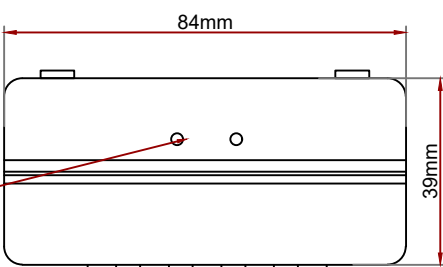
500dpi OPTICAL FINGER PRINT SCANNER

RFID CARD READER ANTENNA WITHIN HOUSING ARCHITECTURE

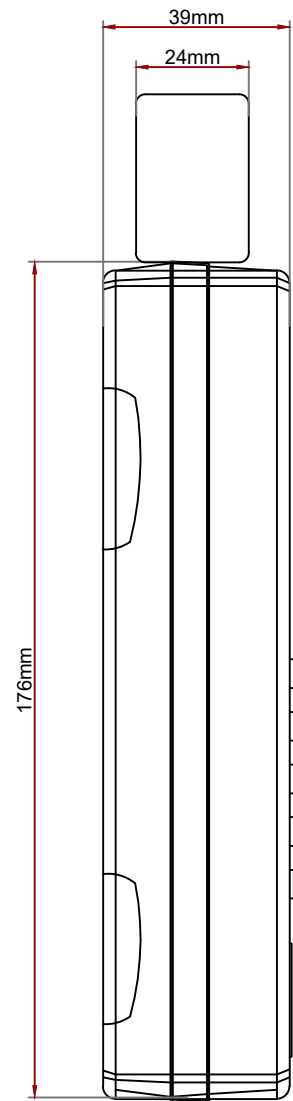


FRONT ELEVATION

MIC

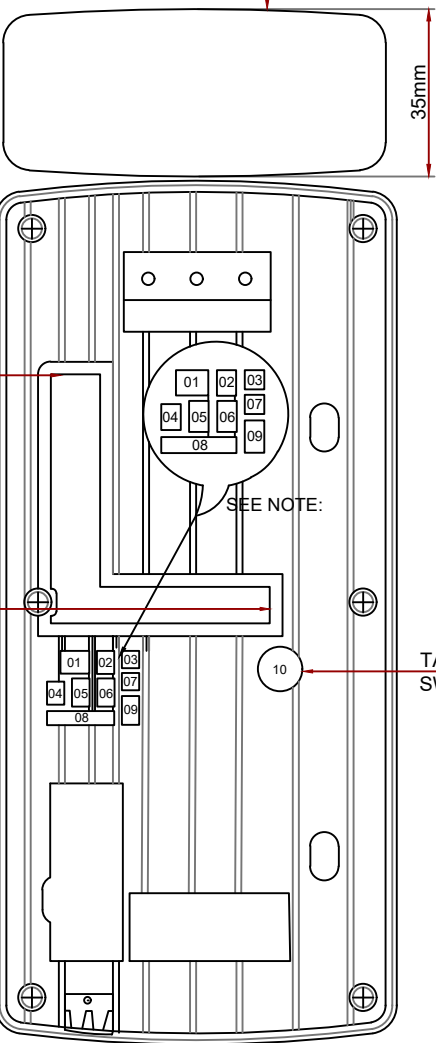


BOTTOM VIEW



SIDE ELEVATION

TEMSEN-IR THERMAL BODY TEMPERATURE DETECTION UNIT



REAR ELEVATION

ACCESS CONTROL & TIME ATTENDANCE WITH TURNSTILES



**Standard Features**

Model:	Facial	Fingerprint	Smartcard	Smartcard + Fingerprint	Keycard
Fingerprint enrollment	Optional	✓	Optional	✓	Optional
Built-in smartcard reader	Optional	Optional	✓	✓	Optional
Face enrollment with video camera	Optional	Optional	Optional	Optional	Optional
Live detection	Optional for Fingerprint & Facial recognition				
Built-in web and database server	✓	✓	✓	✓	✓
Number of users	basic 1,000 users can be upgrade to 100,000+				
Max. transaction records stored	10,000,000 logs / 20,000 images				
Static IP address assignment	✓	✓	✓	✓	✓
Dynamic IP address assignment	✓	✓	✓	✓	✓
Power Over Ethernet (Built-in)	Optional (IEEE 802.3af standards)				
Resolution of LCD	2.8" 64K256K colour TFT screen 320 x 240 pixel resolution				
Non-volatile memory	4GB				
Computer OS support (with internet browser)	Mac OS	Android	Windows OS	Linux PC	iPhone OS
	Unix Machine				
Valid characters for employee ID	0-9, A-C (max. 16 characters)				
Programmable function keys support	F1, F2, F3, F4				
Authentication time	< 1 second				
Fingerprint Users capacity	250,000 (1:1) / 20,000 (1:N)				
Face Users capacity	50,000 (1:1) / 50,000 (1:N)				
Alert	by email and SMS, LCD message displayed				

**Model:**

Model:	Facial	Fingerprint	Smartcard	Smartcard + Fingerprint	Keycard
Database interface support	OOBC / JDBC				
Encryption	AES 256-Bit (continuous upgrade)				
Multi-lingual support	✓	✓	✓	✓	✓
Network interface (Built-in)	- 1,000 BaseT Ethernet (built-in) / SNMP support - Wifi IEEE 802.11 a/b/g/n with 2.4G/5G				
IP interface	- RS-232 / RS-485 - Wiegand output (26bit) - Power to strike, 12VDC at max 500mA				
I/O interface					
Export Report	CSV / Text file				
Remote Control	✓	✓	✓	✓	✓
Operation temperature	-20°C to 60°C				
Modules	CPU / Fingerprint	RFID card	PoE	Mifare / Desfire	13.56MHz
		ISO14443A/B	WiFi		LTE / 4G
		ISO15693	GPS		
		EM			
		CEPAS Card (Singapore)			
		CMOS/Video camera (optional)			
		Colour LCD & keypad			
Modes of authentication	Fingerprint, Facial, Smartcard, PIN, QR code				
	ID + Fingerprint, Facial + Fingerprint, Smartcard + Facial				
	Smartcard + PIN, QR code + Facial				
Mobile	Optional mobile battery				
Relay/ Doorbell support	1 relay / 1 doorbell				
IP Intercom (Built-in)	Optional (SIP-enabled VoIP Intercom)				
LTE/4G module (Built-in)	Optional				
Standards (Fingerprint / Facial)	Fingerprint: ISO 19794-2, NIST, ANSI/AISO 3962, FBI, NIST 1500, NIST 1501, NIST 1502, NIST 1503, NIST 1504, NIST 1505, NIST 1506, NIST 1507, NIST 1508, NIST 1509, NIST 1510, NIST 1511, NIST 1512, NIST 1513, NIST 1514, NIST 1515, NIST 1516, NIST 1517, NIST 1518, NIST 1519, NIST 1520, NIST 1521, NIST 1522, NIST 1523, NIST 1524, NIST 1525, NIST 1526, NIST 1527, NIST 1528, NIST 1529, NIST 1530, NIST 1531, NIST 1532, NIST 1533, NIST 1534, NIST 1535, NIST 1536, NIST 1537, NIST 1538, NIST 1539, NIST 1540, NIST 1541, NIST 1542, NIST 1543, NIST 1544, NIST 1545, NIST 1546, NIST 1547, NIST 1548, NIST 1549, NIST 1550, NIST 1551, NIST 1552, NIST 1553, NIST 1554, NIST 1555, NIST 1556, NIST 1557, NIST 1558, NIST 1559, NIST 1560, NIST 1561, NIST 1562, NIST 1563, NIST 1564, NIST 1565, NIST 1566, NIST 1567, NIST 1568, NIST 1569, NIST 1570, NIST 1571, NIST 1572, NIST 1573, NIST 1574, NIST 1575, NIST 1576, NIST 1577, NIST 1578, NIST 1579, NIST 1580, NIST 1581, NIST 1582, 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