



AMANO Cloud-Based Hybrid Biometric Cloud-Based Time Attendance Terminal

TC20 is a multi-biometric identification terminal featuring innovative advanced facial recognition technology.

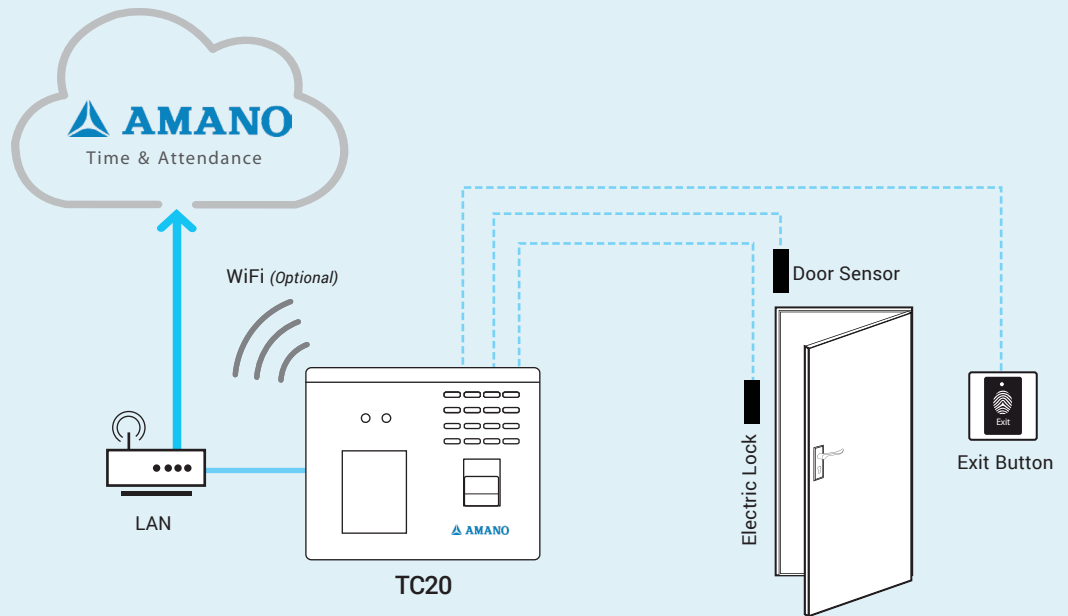
With the latest algorithm and facial recognition related technologies, the device can perform recognition of a target in a distance from 0.3m to 2m and will function automatically when it detects a face in the detection distance so as to deliver better recognition quality in terms of speed and accuracy than the previous near-infrared facial recognition terminal.

With the applied Deep Learning algorithm, pose angle tolerance and anti-spoofing have been greatly enhanced against dynamic environment and various spoofing attacks. Apart from all these, together with the world's cutting-edge 3D Neuron Fingerprint Algorithm and comprehensive support in mainstream card modules, TC20 must be a best fit in various working environments satisfying different customer's needs.

BENEFITS

- ▲ **Proactive Facial Recognition** | Advanced facial recognition technologies
- ▲ **New Height of Anti-Spoofing** | Protect against print attack (laser, color and B/W photos), videos attack and 3D mask attack.
- ▲ **Speedy Recognition** | Recognition happens in seconds
- ▲ **Wide Pose Angle Acceptance** | Wider angle for greater recognition accuracy
- ▲ **Touchless Recognition** | Contactless for better hygiene
- ▲ **Various Clocking Methods** | Face / Fingerprint / Card (Optional) / Password
- ▲ **Instant Notification** | Receive notification from tardiness and absenteeism (subject to subscription with AMANO Attendance)
- ▲ **Stable Communication Method** | Fast and stable connection for better performance
- ▲ **Linux-Based Hybrid Biometric** | A highly reliable and secure operating system

AMANO SYSTEM DIAGRAM



SPECIFICATIONS

MODEL	AMANO TC20
DISPLAY	2.8-inch TFT Screen
FACE CAPACITY	3,000
FINGERPRINT CAPACITY	3,000
CARD CAPACITY	10,000 (Optional)
TRANSACTIONS	100,000
COMMUNICATION	Wifi, TCP/IP
STANDARD FUNCTIONS	Work Code, DST, Self-service Query, Automatic Status Switch, T9 Input, Camera, 9-digit User ID, Multiple Verify Modes, Internal Schedule Bell
HARDWARE	900MHz Dual Core CPU; Memory 512MB RAM / 8G ROM; 2MP WDR Low Light Camera; Adjustable LED Supplement Lighting
OPERATION SYSTEM	Linux
ACCESS CONTROL INTERFACE	3rd Party Electric Lock, Door Sensor, Exit Button
OPTIONAL FUNCTIONS	125KHz ID Card (EM) / 13.56MHz IC Card (MF)
BIOMETRICS ALGORITHM	Face: BioBridge VX 5.8, Fingerprint: BioBridge VX 10.0
FACIAL RECOGNITION SPEED	≤1s
POWER SUPPLY	12V 1.5A
WORKING HUMIDITY	20% to 80%
WORKING TEMPERATURE	0°C to 45°C
DIMENSIONS (W*H*D)	170 * 138 * 38.55 (mm)
Supported Software	AMANO Attendance

