



New Features in BioStation T2

BioStation T2 is the premium fingerprint reader incorporating the state-of-the-art technologies converging face detection, PoE and IP network technology, targeting high-end access and attendance market. As Suprema's next generation attendance terminal, BioStation T2 achieves following new developments and innovations in the design and functions, compared to its predecessor, BioStation.

1. Embedded Web Server

BioStation T2 is Suprema's first fingerprint device to be equipped with Embedded Web Server, named BioStar Lite, and it allows administrators to manage users and devices with a web browser in any PC without software and database installation on the PC. Unlike most of other embedded web server systems, it supports networked access control systems up to 10 devices.

2. Built-in Camera

Built-in high performing camera detects user's face and captures it as an image log for valid identification check, which delivers enhanced security and prevents a buddy punch in time attendance use.

3. Video Phone

With built-in camera and 5 inch color LCD, BioStation T2 works as the outdoor panel of VDS (Video Door entry System). Connecting with an analog video phone or VoIP phone available PC, BioStation T2 builds an entire audio and video door entry system as well as networked access control.

4. Power over Ethernet (PoE)

By adopting PoE, BioStation T2 completes true communication and power over a simple CAT5/6 cable to locking devices and makes installation extremely simple and easy.

5. 5-inch Touchscreen LCD

The wider and clearer 5" Touch Screen provides extreme usability to feature customizable wallpaper, video player, notice, board, PDF view and personalized messaging as well as powerful user interface which is far enhanced before.

6. More Powerful Dual CPU & Larger Memory Capacity

Loaded the powerful dual CPU achieves unparalleled 1:3,000 fingerprint matches in less than a second with enlarged flash memory of 1GB flash + 256MB RAM makes it possible to store up to 1,000,000 event logs and 5,000 image logs at the same time.

7. 4 Input / 2 Built in Relay



By increasing two more inputs from previous BioStation, BioStation T2 can control not only basic door setting like RTE switch & door sensor but extra sensing devices as well. Additional relay of BioStation T2 can be used as an extra output for a siren or an alarm.

8. Proximity Sensor

BioStation T2 has proximity sensor to detect objects approaching up to 40cm from the device and it turns back light of LCD on without any physical contact. To reduce power consumption, BioStation T2 lowers the brightness of the backlight when no input is made for a specified time.



Comparison Table (BioStation T2 vs. BioStation)

Feature		Product	
		 BioStation T2	 BioStation
System	Application	Attendance and Access Control	
	Auth Modes	Finger/Card/PIN	
	Face Detection	Yes	No
	Video Phone	VoIP / Analog Video Phone	No
	Card Option	EM, Mifare/DesFire	EM, HID prox, Mifare/DesFire
	Embedded Web	Yes	No
	PoE	Yes	No
Capacity	Template Capacity	400,000(1:1) 20,000(1:N)	
	Log Capacity	1,000,000 Event Logs 5,000 Image Logs	1,000,000 Event Logs
Interface	Wireless LAN	Yes (Optional)	
	TCP/IP	Yes	
	RS485	RS485 x 2 ports (one RS485 port changeable to RS232)	1 Port
	RS232		1 Port
	Wiegand	In & Out (Switchable)	In & Out
	Built-in Relay	2	1
	USB	Host, Slave	
	SD Card Slot	Yes	No
Hardware	CPU	533MHz DSP, 667MHz RISC	400MHz DSP, 200MHz RISC
	Memory	1GB flash + 256MB RAM	1GB flash + 34MB RAM
	LCD Display	5.0" WVGA Touch Screen	2.5" QVGA
	LED Indicator	Yes	No
	Voice Instruction	Yes (Instruction ready)	Yes (Should be programmed)
	Proximity Sensor	Yes	No
	Tamper	Switch	
	Dimensions	155 x 155 x 40	135 x 128 x 50