




# Hardware Specifications

|                                       | FaceStation   | BioStation T2   | D-Station  | BioStation  |                                   |
|---------------------------------------|---|---|--|---|-----------------------------------|
| <b>Product</b>                        |  |  |  |  |                                   |
| <b>Application</b>                    | Time Attendance<br>Access Control   | Time Attendance<br>Access Control   | Time Attendance<br>Access Control  | Time Attendance<br>Access Control   |                                   |
| <b>Authentication Modes</b>           | Face/Card/PIN   | Finger/Card/PIN   | Finger/Face/Card/PIN   | Finger/Card/PIN   |                                   |
| <b>Fingerprint Sensor</b>             | -   | Optical   | Optical x 2  | Optical, Capacitive   |                                   |
| <b>Face Detection Camera</b>          | Yes   | Yes   | Yes  | -   |                                   |
| <b>Card Options</b>                   | Mifare/DesFire  | 125kHz EM 13.56MHz<br>Mifare/DesFire  | 13.56MHz Mifare/DesFire  | 125kHz EM, HID Prox.<br>13.56MHz Mifare/DesFire                                     |                                   |
| <b>Capacity</b>                       | <b>Template Capacity</b>  | 10,000[1:1]<br>1,000[1:N]   | 400,000 [1:1]<br>20,000 [1:N]  | 400,000 [1:1]<br>20,000 [1:N]   |                                   |
|                                       | <b>Max. User</b>  | 10,000  | 200,000  | 200,000   |                                   |
|                                       | <b>Log Capacity</b>   | 1,000,000<br>(10,000 Image logs)  | 1,000,000<br>(5,000 image logs)  | 1,000,000<br>(5,000 Image logs)   | 1,000,000                         |
| <b>Interfaces</b>                     | <b>Wireless LAN</b>   | Yes [Optional]  | Yes [optional]   | Yes [Optional]  |                                   |
|                                       | <b>TCP/IP</b>   | Yes   | Yes  | Yes   |                                   |
|                                       | <b>RS485</b>  | 2 channels  | 2 channels   | 2 channels  | 1 channel                         |
|                                       | <b>RS232</b>  | Yes   | Yes  | Yes   | Yes                               |
|                                       | <b>Wiegand</b>  | In or Out<br>[Switchable]   | In or Out<br>[Switchable]  | In or Out<br>[Switchable]   | In & Out                          |
|                                       | <b>TTL I/O</b>  | 4 inputs  | 4 inputs   | 4 inputs  | 4 I/O                             |
|                                       | <b>Built-in Relay</b>   | 2   | 2  | 2   | 1                                 |
|                                       | <b>USB</b>  | Host, Slave   | Host, Slave  | Host, Slave   | Host, Slave                       |
|                                       | <b>SD Card Slot</b>   | -   | Yes  | Yes   | -                                 |
|                                       | <b>CPU</b>  | 667MHz RISC x 1<br>1.1GHz DSP x 1   | 667MHz RISC x 1<br>533MHz DSP x 1  | 667MHz RISC x 1<br>533MHz DSP x 2   | 200MHz RISC x 1<br>533MHz DSP x 1 |
| <b>Memory</b>                         | 4GB Flash + 512MB   | 1GB flash + 256MB RAM   | 1GB Flash + 256MB  | 1GB Flash + 34MB  |                                   |
| <b>LCD Display</b>                    | 4.3" WVGA touch screen  | 5.0" WVGA touch screen  | 5.0" WVGA touch screen   | 2.5" QVGA   |                                   |
| <b>LED Indicator</b>                  | Multi-color LED   | Multi-color LED   | Multi-color LED  | Multi-color LED   |                                   |
| <b>Sound Indication</b>               | 16-bit Hi-Fi sound  | 16-bit Hi-Fi sound  | 16-bit Hi-Fi sound   | 16-bit Hi-Fi sound  |                                   |
| <b>Voice Instruction</b>              | 16-bit Hi-Fi sound  | 16-bit Hi-Fi sound  | 16-bit Hi-Fi sound   | 16-bit Hi-Fi sound  |                                   |
| <b>Ingress Protection</b>             | -   | -   | -  | -   |                                   |
| <b>Operating Temperature</b>          | -20°C ~ 50°C  | -20°C ~ 50°C  | -20°C ~ 50°C   | -20°C ~ 50°C  |                                   |
| <b>Tamper</b>                         | Switch  | Switch  | switch   | switch  |                                   |
| <b>PoE</b>                            | Yes   | Yes   | Yes  | -   |                                   |
| <b>Operating Voltage</b>              | 12vDC   | 12vDC   | 12vDC  | 12vDC   |                                   |
| <b>Dimensions<br/>(W x H x D, mm)</b> | 132 x 165 x 60  | 155 x 155 x 40  | 148 x 204 x 48   | 135 x 128 x 50  |                                   |

|                                       | BioEntry W  | BioEntry Plus   | BioLite Net   | BioLite Solo  |            |
|---------------------------------------|---|---|---|---|------------|
| <b>Product</b>                        |  |  |  |  |            |
| <b>Application</b>                    | Access Control  | Access Control  | Time Attendance<br>Access Control   | Access Control<br>[Standalone]  |            |
| <b>Authentication Modes</b>           | Finger/Card   | Finger/Card   | Finger/Card/PIN   | Finger/PIN  |            |
| <b>Fingerprint Sensor</b>             | Optical   | Optical, Capacitive   | Optical   | Optical   |            |
| <b>Face Detection Camera</b>          | -   | -   | -   | -   |            |
| <b>Card Options</b>                   | 13.56MHz<br>Mifare/DesFire  | 125kHz EM, HID Prox.<br>13.56MHz Mifare/DesFire, iClass,<br>Felica                  | 125kHz EM<br>13.56MHz Mifare/DesFire  | -   |            |
| <b>Capacity</b>                       | <b>Template Capacity</b>  | 10,000 (1:N)  | 10,000 (1:N)  | 10,000 (1:N)  |            |
|                                       | <b>Max. User</b>  | 5,000   | 5,000   | 5,000   |            |
|                                       | <b>Log Capacity</b>   | 50,000  | 50,000  | 50,000  | 5,000      |
| <b>Interfaces</b>                     | <b>Wireless LAN</b>   | -   | -   | -   |            |
|                                       | <b>TCP/IP</b>   | Yes   | Yes   | Yes   | -          |
|                                       | <b>RS485</b>  | 1 channel   | 1 channel   | 1 channel   | 1 channel  |
|                                       | <b>RS232</b>  | -   | -   | -   | -          |
|                                       | <b>Wiegand</b>  | In or Out<br>[Switchable]   | In or Out<br>[Switchable]   | In or Out<br>[Switchable]   | -          |
|                                       | <b>TTL I/O</b>  | 2 Inputs  | 2 Inputs  | 2 Inputs  | 2 Inputs   |
|                                       | <b>Built-in Relay</b>   | 1   | 1   | 1   | 1          |
|                                       | <b>USB</b>  | -   | -   | -   | -          |
|                                       | <b>SD Card Slot</b>   | -   | -   | -   | -          |
|                                       | <b>CPU</b>  | 533MHz DSP  | 533MHz DSP  | 533MHz DSP  | 533MHz DSP |
| <b>Memory</b>                         | 8MB flash + 8MB RAM   | 8MB flash + 8MB RAM   | 8MB flash + 16MB RAM  | 8MB flash + 8MB RAM   |            |
| <b>LCD Display</b>                    | -   | -   | 128 x 64 graphic LCD  | 128 x 64 graphic LCD  |            |
| <b>LED Indicator</b>                  | Multi-color LED   | Multi-color LED   | Multi-color LED   | Multi-color LED   |            |
| <b>Sound Indication</b>               | Multi-tone buzzer   | Multi-tone buzzer   | Multi-tone buzzer   | Multi-tone buzzer   |            |
| <b>Voice Instruction</b>              | -   | -   | -   | -   |            |
| <b>Ingress Protection</b>             | IP65 [Outdoor]  | -   | IP65 [Outdoor]  | IP65 [Outdoor]  |            |
| <b>Operating Temperature</b>          | -20°C ~ 50°C  | -20°C ~ 50°C  | -20°C ~ 50°C  | -20°C ~ 50°C  |            |
| <b>Tamper</b>                         | Switch  | Switch  | switch  | switch  |            |
| <b>PoE</b>                            | Yes   | -   | -   | -   |            |
| <b>Operating Voltage</b>              | 12vDC   | 12vDC   | 12vDC   | 12vDC   |            |
| <b>Dimensions<br/>(W x H x D, mm)</b> | 50 x 172 x 42   | 50 x 160 x 37   | 60 x 185 x 40   | 60 x 185 x 40   |            |

|                                       | X-Station   | Xpass   | Xpass Slim  |   |
|---------------------------------------|---|---|---|---|
| <b>Product</b>                        |  |  |                        |   |
| <b>Application</b>                    | Time Attendance<br>Access Control   | Access Control  | Access Control  |   |
| <b>Authentication Modes</b>           | Card/PIN  | Card  | Card  |   |
| <b>Face Detection Camera</b>          | Yes   | -   | -   |   |
| <b>Card Options</b>                   | 125kHz EM13.56MHz<br>Mifare/DesFire   | 125kHz EM, HID Prox.<br>13.56MHz Mifare/DesFire                                   | [Multi-Smartcard<br>Reading]Mifare/DesFire CSN,<br>Felica IDM,Inside CSN,<br>ISO14443A/B CSN,ISO15693 CSN |   |
| <b>Capacity</b>                       | <b>Max.User</b>   | 200,000   | 40,000  |   |
|                                       | <b>Log Capacity</b>   | 1,000,000<br>(5,000 Image logs)   | 50,000  | 50,000  |
|                                       | <b>TCP/IP</b>   | Yes   | Yes   | Yes   |
| <b>Interfaces</b>                     | <b>RS485</b>  | 2 channels  | Yes   | Yes   |
|                                       | <b>RS232</b>  | -   | -   | -   |
|                                       | <b>Wiegand</b>  | In or Out<br>[Switchable]   | In or Out<br>[Switchable]   | In or Out<br>[Switchable]                             |
|                                       | <b>TTL I/O</b>  | 2 inputs  | 2 inputs  | 2 inputs  |
|                                       | <b>Built-in Relay</b>   | 1   | 1   | 1   |
|                                       | <b>USB</b>  | -   | -   | -   |
|                                       | <b>SD Card Slot</b>   | -   | -   | -   |
|                                       | <b>CPU</b>  | 667MHz RISC   | 533MHz DSP  | 533MHz DSP  |
|                                       | <b>Memory</b>   | 1GB flash + 128MB RAM   | 8MB flash + 16MB RAM  | 8MB flash + 16MB RAM                                  |
|                                       | <b>LCD Display</b>  | 3.5" QVGA touch screen  | -   | -   |
| <b>Hardware</b>                       | <b>LED Indicator</b>  | -   | Multi-color LED   | Multi-color LED                                       |
|                                       | <b>Sound Indication</b>   | 16-bit Hi-Fi sound  | Multi-tone buzzer   | Multi-tone buzzer                                     |
|                                       | <b>Voice Instruction</b>  | 16-bit Hi-Fi sound  | -   | -   |
|                                       | <b>Ingress Protection</b>   | -   | IP65[Outdoor]   | IP65[Outdoor]   |
|                                       | <b>Operating Temperature</b>  | -20°C ~ 50°C  | -20°C ~ 50°C  | -20°C ~ 50°C  |
|                                       | <b>Tamper</b>   | Switch  | Switch  | Switch  |
|                                       | <b>PoE</b>  | -   | Yes   | -   |
|                                       | <b>Operating Voltage</b>  | 12vDC   | 12vDC   | 12vDC   |
|                                       | <b>Mount type</b>   | US/EU/Asia gang box, flush<br>box or any plat surface                             | Mullion or any plat surface   | US/EU/Asia gang box, flush<br>box or any plat surface |
|                                       | <b>Certificates</b>   | CE, FCC, KCC, RoHS  | CE, FCC, KCC, RoHS, IP65  | CE, FCC, KCC, RoHS, IP65                              |
| <b>Dimensions<br/>(W x H X D, mm)</b> | 79 x 135 x 21   | 130 x 45 x 27   | 80 x 120 x 11.4   |   |

# About SUPREMA

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Quality and design that leads the industry trend  
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