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# A&E Specifications

## Platform

BioStar 2



### BioStar 2

BioStar 2 is a web-based, open, and integrated security platform that provides comprehensive functionality for access control and time & attendance. Featuring a modular, flexible framework, the platform supports both the BioStar 2 Device SDK which is used to integrate Suprema's terminals with third-party systems and web APIs which are used to integrate the functionality of the BioStar 2 platform with third-party systems. In addition, in step with the mobile era, the mobile app for BioStar 2 has been designed to enable you not only to remotely control the BioStar 2 platform but also to get a mobile card issued to you for use.

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## Intelligent Controller

CoreStation 20 CoreStation



### CoreStation 20

CoreStation 20 is a 2-door access controller designed for enterprise-grade security. It supports up to 500,000 users, integrates with BioStar 2, and supports time attendance. PoE+ support and the SAM Slot for enhanced security are available exclusively on the CS-20P model, offering flexible installation and secure smart card authentication.

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### CoreStation

Suprema CoreStation is an intelligent door controller which provides the advantages of a biometric-enabled security over a centralized access control systems. Designed up to enterprise-level systems, the CoreStation handles up to



500,000 users with an incredible fingerprint matching speed of up to 400,000 match/sec. With the provisions of high-performance, biometric readiness, Ethernet communication, CoreStation is capable of offering the full features of the BioStar2 platform.

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## Biometric Devices | Face

BioEntry W3 BioStation 3 FaceStation F2 FaceStation 2 FaceLite



### BioEntry W3

BioEntry W3 is an innovative facial authentication access control device powered by Suprema's advanced AI technology. Its AI processor, optimized with deep-learning (NPU), ensures high accuracy and lightning-fast facial processing speeds. Designed for both durability and resilience, BioEntry W3 withstands external impacts and extreme conditions, all while maintaining a slim and compact profile. Experience the future of security with a device that prioritizes secure private data, elegant simplicity, and lasting durability.

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### BioStation 3

BioStation 3 sets a new standard in access control, providing a new door access experience that enables improved security across all doors, for organizations of all sizes. This terminal is smaller than previous model, yet it has the largest variety of features.

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### FaceStation F2

Suprema FaceStation F2 is a fusion multimodal terminal with unmatched face authentication performance. Experience the exceptional authentication accuracy and anti-spoofing performance achieved by Suprema's unique Fusion technology. Suprema's Fusion Matching technology combines the IR and visual face authentication with unique

deep learning algorithm to achieve exceptional authentication accuracy and industry’s best anti-spoofing performance.

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## FaceStation 2

Suprema FaceStation 2 is the most advanced face authentication terminal providing loads of the world’s best features. Powered by Suprema’s latest innovation in facial biometrics, FaceStation 2 offers unrivalled matching speed, accuracy and level of security. With Suprema’s patented optic engineering, FaceStation 2 achieves up to 25,000 lx of operating illuminance which in turn, brings all-round confidence regardless of lighting conditions. Packed in an ergonomically-designed structure, FaceStation 2 provides exceptional performance and usability for diverse access control and time attendance sites, large or small.

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## FaceLite

Suprema FaceLite is the most compact face authentication terminal providing loads of the world’s best features. Powered by Suprema’s latest innovation in facial biometrics, FaceLite offers unrivalled matching speed, accuracy, and level of security. With Suprema’s patented optic engineering, FaceLite achieves up to 25,000 lx of operating illuminance which in turn, brings all-around confidence regardless of lighting conditions. Packed in a compact and an ergonomically-designed structure, FaceLite provides exceptional performance and usability for diverse access control and time attendance sites, large or small.

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## Biometric Devices | Fingerprint

BioStation 2a X-Station 2 BioStation A2 BioStation 2 BioStation L2 BioLite N2 BioEntry W2 BioEntry P2 BioEntry R2



## BioStation 2a

BioStation 2a represents a significant step in the evolution of security technology. It introduces deep learning into fingerprint recognition, enhancing access control with multiple credential options. The core innovation lies in its embedded AI processor, the NPU (Neural Processing Unit), finely tuned for deep learning, resulting in remarkable precision and speed in fingerprint recognition. Explore the future of security with BioStation 2a.

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## X-Station 2

Suprema X-Station 2 is a versatile intelligent terminal that supports different credentials, such as Mobile Access, RFID cards and fingerprints, offering the ultimate flexibility in terms of credential options and system design. Equipped with secure boot process, Open Supervised Device Protocol (OSDP) and cameras for image logs, X-Station 2 improves security while safeguarding user data. X-Station 2 is easy to install, use and maintain with features like Power over Ethernet (PoE), intuitive GUI on 4 " wide touchscreen, and IP65 rating.

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## BioStation A2

Suprema BioStation A2 is the most advanced fingerprint access control and time attendance terminal featuring Suprema's next generation biometric technology and security platform. BioStation A2 provides class-leading performance through the World's best matching performance, uncompromised security and accuracy along with top-notch usability.

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## BioStation 2

BioStation 2 incorporates the latest Suprema technology in a beautiful exterior. It combines a new powerful processor, Suprema's next generation optical sensor and improved fingerprint sensing & capturing algorithm to offer unrivaled performance. BioStation 2 provides users with instant



authentication and rapid data transfer to manage high volume data with ease. It is ideal for applications that require versatility without compromise in style and performance.

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## BioStation L2

Suprema BioStation L2 is an essential fingerprint terminal that provides comprehensive access control and time attendance features based on Suprema's next generation biometric technology and security platform. Designed for all type of time-attendance applications, BioStation L2 provides exceptional value by combining World's best Suprema fingerprint algorithm, high performance and enhanced security features.

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## BioLite N2

Suprema BioLite N2 is a Suprema's 2nd generation outdoor fingerprint terminal that provides comprehensive access control and time attendance features based on Suprema's latest biometric technology and security platform. BioLite N2 provides class-leading performance and security by featuring Suprema's latest fingerprint algorithm coupled with world's best fingerprint sensor. Packed in a rugged IP67 housing, BioLite N2 added flexibility in system design with multi-class RFID reading technology.

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## BioEntry W2

Suprema BioEntry W2 is a rugged fingerprint access control device featuring Suprema's next generation biometric technology and security platform. BioEntry W2 provides class-leading performance and security by featuring Suprema's latest fingerprint algorithm coupled by powerful quad-core CPU and LFD(live finger detection) technology. The device also provides added flexibility in system design featuring multi-card support with dual-frequency RFID technology. Packed in a rugged IP67/IK08 housing with sleek metal finish, BioEntry W2 is a perfect access control solution

for tough environment and outdoor installation.

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### BioEntry P2

Suprema BioEntry P2 is a compact fingerprint access control device featuring Suprema’s next generation biometric technology and security platform. BioEntry P2 provides class-leading performance and security by featuring Suprema’s latest fingerprint algorithm coupled with powerful 1.0GHz CPU. Packed in a mullion-type sleek design, BioEntry P2 also provides added flexibility in system design by featuring multi card reading with dual-frequency RFID card technology.

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### BioEntry R2

Suprema BioEntry R2 is a Compact RFID card & Fingerprint Reader exclusively designed for centralized access control systems. Packed in a slim, mullion-type design, BioEntry R2 provides high-definition fingerprint image capture, minutiae extraction as well as dual-frequency multi RF card reading capability. Combined with Suprema’s intelligent biometric controller, the CoreStation, BioEntry R2 completes biometrics-driven access control system with enhanced simplicity and level of security of centralized system topology.

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## RFID Devices

XPass Q2 X-Station 2 XPass 2 XPass D2 XPass S2

### XPass Q2

XPass Q2 is built for fast, high-traffic visitor and ticketing access. Its smart, QR/barcode-first design and multi-tech credential support keep people moving seamlessly, while its compact, durable form makes deployments simple across busy entrances. XPass Q2 delivers a low-effort, high-reliability access experience for facilities that need speed,



flexibility, and minimal upkeep.

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## X-Station 2

Suprema X-Station 2 is a versatile intelligent terminal that supports RFID cards, Mobile Access as well as QR codes, offering the ultimate flexibility in terms of credential options and system design. Equipped with secure boot process, Open Supervised Device Protocol(OSDP) and cameras for image logs, X-Station 2 improves security while safeguarding user data. X-Station 2 is easy to install, use and maintain with features like Power over Ethernet(PoE), intuitive GUI on 4" wide touchscreen, and IP65 rating.

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## XPass 2

XPass 2 is an outdoor compact RFID device based on Suprema's state-of-the-art RFID technology and multi-hardware platform. XPass 2 also supports dual-frequency (125kHz / 13.56MHz) RFID technology and can read the mobile cards using NFC and BLE, the latest mobile communication technologies. Packed in a rugged IP65/IP67 rated dust & waterproof performance as well as IK08 rated vandal-proof structure, suitable for tough environment and outdoor installation.

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## XPass D2

XPass D2 is an outdoor compact RFID reader based on Suprema's state-of-the-art RFID technology and multi-hardware platform, optimized for centralized access control systems such as Suprema's CoreStation. Using multi-form factor technology, mullion-type, gangbox-type and gangbox keypad-type are all supported.

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## XPass S2

XPass S2 effortlessly combines key features of a traditional access control system in an ultra slim form factor and is a cornerstone in Suprema's distributed IP access control system. XPass S2 is designed to withstand a wider temperature range and can read multiple smartcard technologies making it an ideal product for harsh weather environments.

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## Open Platform Devices

### NOVUS OMNIS



## NOVUS

Suprema NOVUS is a versatile, powerful, and fully modular enterprise-class product, designed for use in any Time and Attendance or Workforce Management application. Using Android OS, NOVUS provides a defined and supported environment that allows partners and integrators the ability to deploy new or existing Android applications - complementing, supporting, and extending their current mobile platform functionality.

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## OMNIS

Suprema OMNIS makes revolutionary multi-function time & attendance terminal to adapt to meet specific and changing customer requirements as business goals. With Suprema's latest biometric technology, Omnis provides class-leading performance through World's best matching performance, uncompromised security, and accuracy.

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## Peripherals

Door Interface Door Module Input Module Output Module Secure Module



### Door Interface (DI-24)

Door Interface is a powerful 2-door, 4-reader interface designed for reliable access control—even offline. It connects easily to CoreStation Series, enabling streamlined RS-485 communication and scalable door control with minimal wiring.

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### Door Module (DM-20)

Door Module provides secure door control of up to four doors via encrypted communication and also contains two Wiegand reader interfaces for use with 3rd party readers. A wide variety of I/O interfaces allows Door Module to be a part of diverse system configurations.

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### Input Module (IM-120)

Input Module is a multiple input extension module which can control up to 12 supervised inputs, 2 AUX, 1 temper switch and 2 relays. A total of 31 units can be connected to a master device via an RS485 daisy chain. It allows the use of inputs for interfacing with sensors or door contacts etc., as well as providing a simple 'dry contact' interface for other systems.

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### Output Module (OM-120)

Output Module is a multiple output extension module which controls up to 12 output relays. It can be used as the elevator controller with BioStar 2 system. Max. 31 units can be connected to a master device via RS485 daisy chain.

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## Secure Module (Secure I/O 2)

Secure Module provides secure door control via encrypted communication when combined with other Suprema devices. Its ultra-compact form factor allows for use in a variety of installation environments.

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