Suprema Inc.

Company: SUPREMA INC.

Address: 17F-5, Parkview Office Tower, 248, Jeongjail-ro, Bundang-gu

Product Name: X-Station 2

Model Number: XS2-QAPB

FCC ID: TKWXS2-QAPB

X-Station 2 Operation description

X-Station2 is Access control and Time & Attendance device. When plug in power supply (or PoE),
all the circuit will start to work, the PX30k Processor will run the clock by 24Mhz,
then it turns on the necessary circuit, including the RF circuit, BLE circuit, Camera module, QR barcode module.
In this time, Processor works first to build up communication chain for the server,
that transfer information of time& attendance to Server.

1. Wireless transmission, the receiving
The main controller from the instruction for RFIC to deliver and, RFIC in a modulated data is then radiated via
the antenna.
Radiation within the range of the card responsive to the modulation data.
RFIC demodulation data is transmitted to the main controller.
Using mobile credential using BLE, it can perform the same function as RFID card.

Frequency Range
RF(HF): 13.56Mhz
RF(LF): 125kHz
BLE: 2.4Ghz

2. QR barcode (Optional)
QR code and barcode can be read using the QR barcode module.
Access control and T&A can be checked using this.
The data received from the QR barcode is transmitted to the main controller.

3. Interface
This system has a Card Wiegand, RS-485, Ethernet, TTL, BLE communication interface.

4. Others
The camera module is used to register user ID or to prepare for unauthorized intruders.

Basic model and variant model.

type	XS2-QAPB (Basic model)	XS2-QDPB	XS2-APB	XS2-DPB
Specification	power: 12~24Vdc, PoE(PD) interface: RS485 1ch, Wiegand in/out 1ch, TTL input 1ch, Relay 1ch, Ethernet(10/100) 1ch RF: RFID(13.56Mhz+125Khz), BLE	power: 12~24Vdc, PoE(PD) interface: RS485 1ch, Wiegand in/out 1ch, TTL input 1ch, Relay 1ch, Ethernet(10/100) 1ch RF: RFID(13.56Mhz+125Khz), BLE	power: 12~24Vdc, PoE(PD) interface: RS485 1ch, Wiegand in/out 1ch, TTL input 1ch, Relay 1ch, Ethernet(10/100) 1ch RF: RFID(13.56Mhz+125Khz), BLE	power: 12~24Vdc, PoE(PD) interface: RS485 1ch, Wiegand in/out 1ch, TTL input 1ch, Relay 1ch, Ethernet(10/100) 1ch RF: RFID(13.56Mhz+125Khz), BLE
	Add specific support RFID card licensing circuit		Add specific support RFID card licensing circuit	
	Add QR(Barcode) module, decoder	Add QR(Barcode) module, decoder		

Name: Dongmok Shin   **Date: 29/ Jan/ 2021**

Title: Vice President (CTO)

Signature of applicant: