

Gemini 2000 X1 Reader Specifications

X1 is a versatile 13.56MHz NFC reader/writer, designed for a wide range of desktop or embedded applications. It is compliant with a host of popular smart card standards in use today, including Mifare, NTAG and DESFire, as well as NFC-enabled mobile phones. It supports configurable “keyboard wedge” functionality or our comprehensive API. Built-in are a SAM slot, 2 LEDs and a buzzer.



PHYSICAL SPECIFICATIONS

Dimensions 66 x 66 x 10 mm (OEM module), 85 x 85 x 20 mm (Case)
Weight 35 g (OEM module), 65 g (Case)

CONTACTLESS SMART CARD INTERFACE

Operating Frequency 13.56 MHz
Chipset PN7462
Communication Standards ISO 14443 (Type A & B)
Card Reading Distance Up to 70mm

CONTACT INTERFACES

Card Slots One SAM card slot, expansion board available

CONNECTIVITY

Host Interface USB CDC, RS232, Slave SPI, I2C
Power Supply 5V
Current Consumption 350mA

APPLICATION INTERFACE

Operating Modes Keyboard Wedge, API (Card Reader and Card Emulation)
Supported APIs G2K API

OPERATING CONDITIONS

Operating Temperature -20 to +80 °C
Non-Operating Temperature -40 to +85 °C
Operating Humidity 0–95% non-condensing
Meantime Between Failure 500,000 hours

STANDARDS

Safety / Environmental CE, UL, RoHS, WEEE