



Overview:

Being one of the smallest and cost effective, stand-alone RFID devices in the world, NephSystem's N380 Multiple Frequencies RFID reader/writer uses Plug & Play USB HID (Human Interface Device) or SPP (Serial Port Profile) technology to get RFID tag data into any Windows™/ Mac / Linux / Unix or even Android O.S. based application. N380 has the minimum power requirements through using the power directly from the USB port with no other connection required.

N380 series products may support reading or writing multiple frequencies tags, such as:

- 13.56MHz ISO/IEC 15683 (Model No. N380-HF)
- 13.56MHz ISO 14443A/B (Model No. N380-HF)
- 13.56MHz ICODE, TI, NXP, ST, INFINEON or FUJITSU (Model No. N380-HF)
- 860MHz ~ 960MHz ISO18000-6C EPC Gen 2 (Model No. N380-UHF)

By using the N380HID version, users just need to plug the N380 into an open USB port on the PC's host, the N380 will be identified as a Human Interface Device (HID) and ready to scan RFID tags, the tag's data (e.g. "EPC" or "UID") will be inserted into any desired applications such as Excel™, Word™, database, or other application where you want your tag data to be placed. This Plug & Play feature does NOT require any drivers or software to be installed or pre-loaded and allows users to immediately and easily integrate N380 into their own systems.

N380 also provides the capability of programming via Serial Port Profile or Virtual Com Port (Model: N380B) that allow users to develop their own software application based on the full SDK we provide. Its compact design and ready-to-use Plug & Play feature offer users the most versatile, flexible and convenient measurement capabilities.

Main Features:

- ❖ Pocket sized design and cost effective
- ❖ HID and Plug & Play technology (For N380HID)
- ❖ Keyboard Emulation or Wedge capability allows to transfer data between the reader and the PC automatically without any drivers or additional programming requirement
- ❖ Windows 2000/2003/XP/Vista/Windows 7/8 (32/64bit), Mac, Linux, Unix, Android Supported
- ❖ Free SDK provided including .NET (VB/C#) sample codes (For N380B model).
- ❖ Built-in LED and Buzzer
- ❖ Built-in Omni antenna design offering the read distance of up to 25cm



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Specifications:

Frequency	:	Global 860MHz ~ 960MHz or 13.56MHz
Reading Distance	:	Max. 25cm for EPC Gen 2 model (Tags dependent); Max. 15cm for 13.56MHz model (Tags dependent);
Communication Interface	:	USB
RFID Transponder Compatibility	:	ISO18000-6C, EPC Gen 2, ISO18000-6B, 13.56MHz ISO15693, ISO14443A/B, Mifare, ICODE, TI, etc.
Technical Certificates	:	ETSI, CE, RoHS, FCC/EPC Gen2 Certification, ISO/IEC 18000-6C, ISO15693, ISO14443
Antenna Connection	:	Built-in
Power requirements	:	Power supplied by USB
Status Indication	:	Buzzer and LED
Humidity	:	5% to 90% relative
Operating Temperature	:	-20° to 65°C
Storage Temperature	:	-25° to 85°C
Dimension	:	105mm x 70mm x 11mm
Weight	:	80g
Housing	:	ABS

Ordering Info:

	Frequencies	Communication Port	Plug & Play	Secondary Development Supported
N380-HF-HID	13.56MHz	USB	Yes	N/A
N380-HF-B	13.56MHz	USB	Driver/Software needed	Yes
N380-UHF-HID	EPC Gen 2	USB	Yes	N/A
N380-UHF-B	EPC Gen 2	USB	Driver/Software needed	Yes



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