

Features	NFC (Near Field Communication)	RFID (Radio Frequency Identification)	Bluetooth
Size	Small	Small to Medium	Small to Medium
Price	Relatively Low	Varies based on technology and range	Varies based on device type and features
Power Requirement	Passive NFC tags require no power source. Active NFC devices require power.	Passive RFID tags require no power source. Active RFID tags and RFID readers require power.	Bluetooth devices require power, typically from a battery.
Communication Radius	Very Short Range, up to a few centimeters	Varies based on technology and antenna size. Can range from a few centimeters to several meters.	Medium Range (up to 10 meters for Class 2 Bluetooth, up to 100 meters for Class 1 Bluetooth)
Data transfer speed	Relatively slower	Depends on RFID technology used. Generally faster than NFC.	Faster data transfer speeds compared to NFC and most RFID technologies.
Standalone	Requires an active NFC device (e.g., smartphone) for data processing. NFC tags have limited processing capabilities.	Passive RFID tags do not have processing capabilities. Active RFID systems may have more advanced functionality.	Bluetooth devices can be standalone and have their own processing capabilities. They can connect and communicate directly with other Bluetooth devices.