# MultiPEN

**RFID Reader Industry**
**PEN**

**PART ID:**
**4027**

The MultiPEN is an innovative RFID/NFC handheld reader that enables UIDs of passive RFID TAGs to be read with different frequency range combinations. The MultiPEN makes it possible to transfer read UIDs via Bluetooth to a host computer (tablet, laptop or smartphone). The read UIDs can also be transferred / read into the database of the device memory and transferred to the host computer later via Bluetooth or USB connection. Since a real-time clock is integrated, date and time can be automatically assigned to the read UID. The MultiPEN makes it easier for users to work and makes RFID/NFC applications in maintenance, inventory, guard control systems and logistics processes efficient due to its simple handling. RFID/NFC TAGs that are mounted close to each other or in places that are difficult to access can be easily identified due to the small size of the MultiPEN's reading tip



### Main Specifications

| | |
|---|---|
| Frequencies | **LF** HF UHF |
| Material | Polyamid |
| Operating Temperature | -20°C to 60°C |
| IP Class | IP54 |
| Compliance | RoHs & Reach, CE |
| Key Features | HID/SPP BT Interface, Real-Time Clock, OLED Display, Vibration Feedback |

## Full Specifications

| | |
|---|---|
| Product ID | 4027 |
| Name | MultiPEN |
| Material | Polyamid |
| Shape | SINGLE Frequency |
| Long Description | The MultiPEN is an innovative RFID/NFC handheld reader that enables UIDs of passive RFID TAGs to be read with different frequency range combinations. The MultiPEN makes it possible to transfer read UIDs via Bluetooth to a host computer (tablet, laptop or smartphone). The read UIDs can also be transferred / read into the database of the device memory and transferred to the host computer later via Bluetooth or USB connection. Since a real-time clock is integrated, date and time can be automatically assigned to the read UID. The MultiPEN makes it easier for users to work and makes |

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Where application information is given, it is only advisory and does not form part of the specification.



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| | |
|---|---|
| | RFID/NFC applications in maintenance, inventory, guard control systems and logistics processes efficient due to its simple handling. RFID/NFC TAGs that are mounted close to each other or in places that are difficult to access can be easily identified due to the small size of the MultiPEN's reading tip |
| Key Features | HID/SPP BT Interface, Real-Time Clock, OLED Display, Vibration Feedback |
| Comments | Including Case And Accessories |
| Article Type | PEN |
| Color | Black, Blue |
| Length [mm] | 190 |
| Width [mm] | 30 |
| Thickness [mm] | 35 |
| Weight [g] | 125 |
| Anticollision | yes |
| IP Class | IP54 |
| PCB Material | FR4 |
| Chemical Resistance | Not Specified |
| Flame Resistance | Not Specified |
| Mechanical Resistance | Not Specified |
| Compliance | RoHs & Reach, CE |
| Read / Read Write | Read&Write |
| Typical Reading Range | 1...3 |
| Supported Standards / Tags | all |
| Operating Temp °C (min) | -20 |
| Operating Temp °C (max) | 60 |
| Storage Temp °C (min) | 1 |
| Storage Temp °C (max) | 60 |
| Power Supply | USB |
| Battery Type | NiMH |
| Battery Capacity | 2000 mAh |
| Operating Frequency | LF |
| Frequency Range | 125 - 134 kHz |
| Power over Ethernet [PoE] | No |
| Interfaces Physical | USB/Bluetooth |
| Interfaces Protocol | ASCII |
| Transfer rate [Baud] | 9600 |
| Antenna int. | 1 |
| Memory Capacity | 1000 UID |
| Display | OLED |
| Development Tools | SDK |
| Accessories | yes |

## VARIANTS

| ID | Variant |
|---|---|
| 4027-01-000-01 | LF Read/Write |

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