

IoT Connectivity

| Specifications | RFID | NFC | Bluetooth | wifi |
|----------------|---------------------------------------------------------------------|-----------------------------|----------------------------------|----------------------|
| Range | 3meter | 10cm | 100meter | 100meter |
| Communication | 1-way | 2-way | 2-way | 2-way |
| Data rate | varies | 106,212,424Kbps | 22Mbps | 144Mbps |
| Applications | EZ-pass, SpeedPass warehouse tracking, cargo, crates, etc. | ApplePay, GooglePay, etc | Laptop, phone and peripherals | wireless internet |

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But there is more...

- Dash7 (multi year battery life, 0-5km)
- IEEE P802.11ah (low power Wi-Fi)
- nWave (10-30km!)
- Zigbee (low power, wireless, 10-100m los)
- Z-Wave (powered, used primarily hvac)
- TSMP (Time synchronized Mesh)