Visa and the Internet of Things

Visa Brings Secure Payments to the Internet of Things (IoT)

By 2020 there will be more than 50 billion devices connected to the internet, providing a huge opportunity for these devices to include Visa payment experiences through the Visa Ready Program.



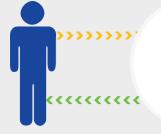


How the Internet of Things Becomes Payment Ready

Disclaimer: This depiction includes concepts under continuing development.

Visa secures payment functionality for the Internet of Things using Visa Token Service. In the diagram below, IoT Token requestors guide device manufacturers through Visa Ready certification.

- Consumer loads a Visa card to their connected device
- Device sends card load request to token requestor
- Token requestor requests payment credential from Visa Token Service
- Visa Risk Manager makes a decision based on approval rules established by Visa card issuer



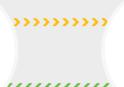














- Consumer
- Device
- **Token Requestor**
- VisaNet + Visa **Token Service**
- Issuer

- Token requestor provisions token to the device and activates for payments
- 5 Visa Token Service generates and delivers secure token to the device
- Payment Account Number (PAN) The token is a surrogate value of a PAN

About the Visa Ready Program for the Internet of Things



The Visa Ready Program is designed to help ensure that all approved devices meet Visa and EMVCo security and performance guidelines. The program provides innovators a path for devices, software and solutions to initiate or accept Visa payments. It also offers a framework for collaboration with Visa, as well as guidance and best practices to access the power of the Visa network. Click here to learn more.