Seeed Studio * Raspberry Pi

June 2023
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Seeed Studio has been serving the Pi user community since 2013 and took the lead to join the approved reseller and design partner.
Seeed’s Pi-based Standard Devices
Seeed’s Raspberry Pi-powered Edge Devices

Assist the Most Prosperous and the Largest Edge Maker Community to Serve Diverse IIoT/AIoT Needs
Industry: Smart Building

Product: reTerminal DM

Solution Introduction:
A system integrator specializing in smart buildings and IoT energy solutions over 15 years is deploying reTerminal DMs with their vertical software system in control room consoles for operator control, connect with external large-screen display.

Location: China

Demand: Thousands of units per year
**Success Cases**

**reTerminal DM in Healthcare**

**Industry:** Healthcare

**Product:** reTerminal DM

**Solution Introduction:**
A system integrator in healthcare is using reTerminal DM as the tablet for healthcare staff to handle various operations such as registration, login verification, testing, and view health testing results, as well as manage health data by scanning the QR code.

**Location:** China

**Demand:** 500~1k units per year
Industry: Smart office/Access Control

Product: reTerminal DM

Solution Introduction:
A system integrator operates in the smart office industry over 20 years is using reTerminal DM for Biometric time and attendance record and access control at office. And in the next cooperation phase would integrate the fingerprint scanner and also touch keyboard there in reTerminal DM as the customization solution.

Location: Australia

Demand: 1k units per year
Seeed's Pi-based ODM Service
We are ready and have had successful experiences to bring product concept to market with our industrial capabilities from design, manufacturing, testing, certification, global distribution and marketplace.

Seeed’s ODM Services based Raspberry Pi-powered Devices

Featured Product Design Reference

reTerminal DM
Open Block Diagram
A Panel PC, HMI, PLC, IoT Gateway all-in-one device powered by Raspberry Pi CM4, with 10” IPS Front panel and CRT Industrial Interface, natively integrated with Node-RED
Industry: Smart Packing

Product: reTerminal

Solution Introduction:
Our client has been operating end-to-end packing systems at several large fruit packhouses in South Africa, customizing packaging and labeling semi-robots. They have been using customized reTerminals as the smart labeling HMI at large fruit packhouses.

Location: South Africa

Demand: 500~1k units per year
Success Cases

[ODM SERVICE] reTerminal in Water Management

**Industry:** Water Management

**Product:** reTerminal

**Solution Introduction:**
A system integrator in SCADA and automation solutions is using reTerminals as the HMI and embedded serve in Remote Terminal Unit (RTU) system for flood mitigation and pump control systems.

**Location:** Malaysia

**Demand:** 500~1k units per year
Industry: Security

Product: reRouter

Solution Introduction: A US-based company Patrolio deployed a reRouter–powered security solution together with its active deterrence IP Camera and security monitoring service, ensuring a more intelligent and responsive neighborhood.

Location: USA

Demand: 500~1k units per year
More Explorations and Innovations
More Pi-based Co-create Partnerships

**Creator:** Flavio Ansovini – an enthusiast of electronics  
**Solution:** Stunning Öchin CM4 board based on Raspberry Pi CM4

**Creator:** Villmer – the founder of POP  
**Solution:** DIY Portable 360° virtual reality camera based on Raspberry Pi CM4
HEADQUARTERS
9F, Building G3, TCL International E City, Zhongshanyuan Road, Nanshan, 518055, Shenzhen, PRC

X.FACTORY
Chaihuo x.factory 622, Design Commune, Vanke Cloud City, Dashi 2nd Road, 518055, Shenzhen, PRC

Japan Office
130 Honjingai 1F, Shin-Nagoya-Center Bldg. 1-1 Ibukacho Nakamura-ku, Nagoya-shi, Aichi 453-0012 Japan