

# *KCodes Company Profile*

## 盈碼科技股份有限公司

~Your Reliable USB Solution Partner~

**KCodes**

2018, JUN

## About KCodes Corporation

Kcodes is the leading supplier of using USB over IP technology.  
We have over 20%

- ◎ Founded in 2001
- ◎ Capital US\$3.0 Million
- ◎ Office: Taipei, Taiwan
- ◎ Employees: 30 (engineer for 50%)
- ◎ CTO: Zekai Hsiau
  - Ph. D of Stanford University
- ◎ Chairman : Paul Hsieh
  - Ph. D of UCLA
- ◎ Owned Patents: US9189298,US20160034374,US8959262 etc.
- ◎ Apple MFi certified developer

**KCodes**

Confidential

# History

---

- 2017-KCodes launched USB3.0 device server solutions
- 2017-KCodes obtained Apple MFi Developer certification
- 2016-KCodes launched Wireless IoT solutions for Tuner Module
- 2015-KCodes launched Wi-Fi Docking SW solutions"
- 2013-KCodes launched Video Streaming and Wi-Fi scanning solutions
- 2012-KCodes launched Audio Streaming solution
- 2010-KCodes started shipping out NIC (Network Interface Card) to POS printer makers
- 2010-KCodes obtained ISO9001 certification
- 2009-KCodes licensed over 800K units S/W to Router/ NAS products
- 2008-KCodes started USB Over, IP/MFP Server Software License business in November
- 2005-KCodes started to ship MFP Server and be the first MFP server provider in Taiwan
- 2003-KCodes started to develop USB over IP/ MFP Server in October
- 2001-KCodes was funded in June 2001, and started to development of ARM-7 based platform in December

**KCodes**

Confidential



## *KCodes Corporation* *Print Server & Net USB Profile*

~Meet Our Patented USB over IP Solution~

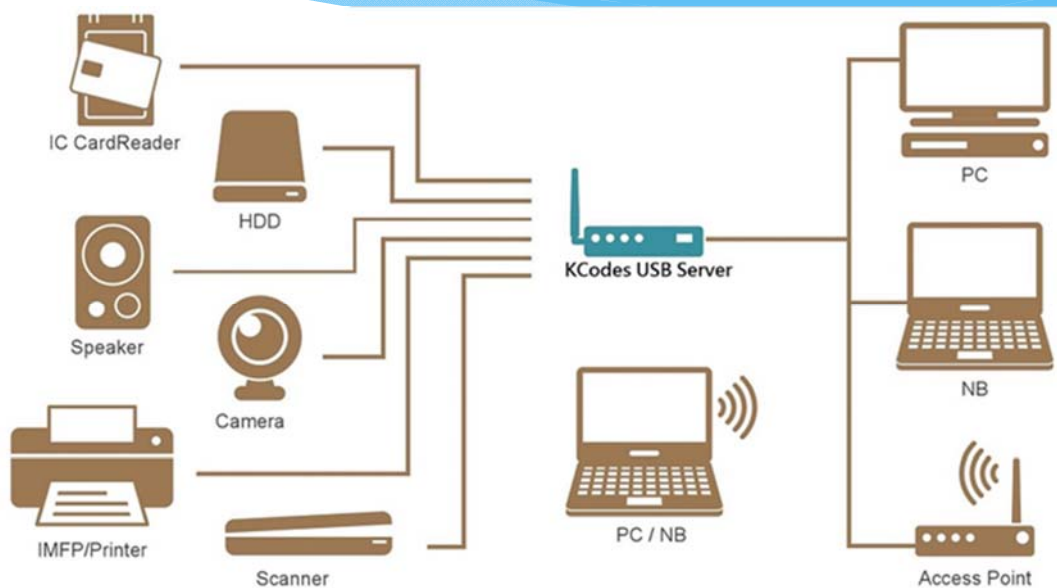
**KCodes**

# KCodes Corporation USB Server Introduction

**KCodes**

## KEY FEATURES

Users can easily connect and share all USB device over the network



**KCodes**

Confidential

# Technical Support

Network Protocols: IPv4 TCP/IP

Configuration: TFTP, DHCP, UPnP, HTTP, Firmware Upgrade, Restart, Reset Factory Default

Supported USB Devices: USB Printer

Web Server Supports English and Japanese  
(Multi-Language with customization)

PC Utility Supported

*Windows : 2000 , XP, Vista, 7 ~ 10*

*Mac OS X 10.5 ~ 10.13 high sierra*

Printing Protocols: Raw TCP/ LPR/ IPP.

**KCodes**

Confidential

## Product comparison

| WIRED               |                                    |                    |               |               |
|---------------------|------------------------------------|--------------------|---------------|---------------|
| Model Name          | KC301                              | KC601              | KC611         | KC612         |
| USB 2.0 Type A      | 1                                  | 1                  | 0             | 0             |
| USB 3.0 Type A      | 0                                  | 0                  | 1             | 2             |
| 10/100 LAN Port     | 1                                  | 1                  | 0             | 0             |
| Giga LAN Ports      | 0                                  | 0                  | 1             | 1             |
| Connectivity        | Wired                              | Wired              | Wired         | Wired         |
| CPU Speed           | 300MHz                             | 580MHz             | 880MHz        | 880MHz        |
| RAM Size            | 8M (SDRAM)                         | 64M                | 128M (DDR3)   | 128M (DDR3)   |
| Flash Size          | 2M                                 | 4M                 | 16M           | 16M           |
| Power Adapter       | 12V1A                              | 5V1A               | 5V2.5A        | 5V2.5A        |
| Certification       | CE / FCC                           | CE / FCC           | In Progress   | In Progress   |
| OS supported        | Windows / Mac                      | Windows / Mac      | Windows / Mac | Windows / Mac |
| Support USB Printer | Yes                                | Yes                | Yes           | Yes           |
| Support USB Storage | Yes                                | Yes                | Yes           | Yes           |
| Support USB Camera  | No                                 | No                 | Yes           | Yes           |
| Network functions   | NetUSB / SMB / FTP<br>RawTCP / LPR | NetUSB / SMB / FTP | NetUSB        | NetUSB        |

**KCodes**

Confidential

# Product comparison

|                     | WIRELESS           |                    |                  |
|---------------------|--------------------|--------------------|------------------|
| Model Name          | KC601n             | KC604n             | KC612ac          |
| USB 2.0 Type A      | 1                  | 4                  | 0                |
| USB 3.0 Type A      | 0                  | 0                  | 2                |
| 10/100 LAN Port     | 1                  | 1                  | 0                |
| Giga LAN Ports      | 0                  | 0                  | 1                |
| Connectivity        | Wired / Wireless   | Wired / Wireless   | Wired / Wireless |
| Wireless            | 2.4GHz             | 2.4GHz             | 2.4GHz/5GHz      |
| CPU Speed           | 580MHz             | 580MHz             | 880MHz           |
| RAM Size            | 64M                | 64M                | 128M (DDR3)      |
| Flash Size          | 4M                 | 4M                 | 16M              |
| Power Adapter       | 5V1A               | 12V2A              | 5V2.5A           |
| Certification       | CE / FCC           | CE / FCC           | In Progress      |
| OS supported        | Windows / Mac      | Windows / Mac      | Windows / Mac    |
| Support USB Printer | Yes                | Yes                | Yes              |
| Support USB Storage | Yes                | Yes                | Yes              |
| Support USB Camera  | No                 | No                 | Yes              |
| Network functions   | NetUSB / SMB / FTP | NetUSB / SMB / FTP | NetUSB           |

**KCodes**

Confidential

## *KCodes SW Technology* *Introduction*

*-SW license for your USB Device control-*


**KCodes**

# NetUSB (USB over IP)

All you need is a USB port. No matter Router or NAS, you can easily connect and share multiple USB devices by our patented NetUSB technology.

- Flash memory: approximately 150-300 Kbytes
- Dynamic memory: 1.7 Mbytes + 120 Kbytes  
(every additional

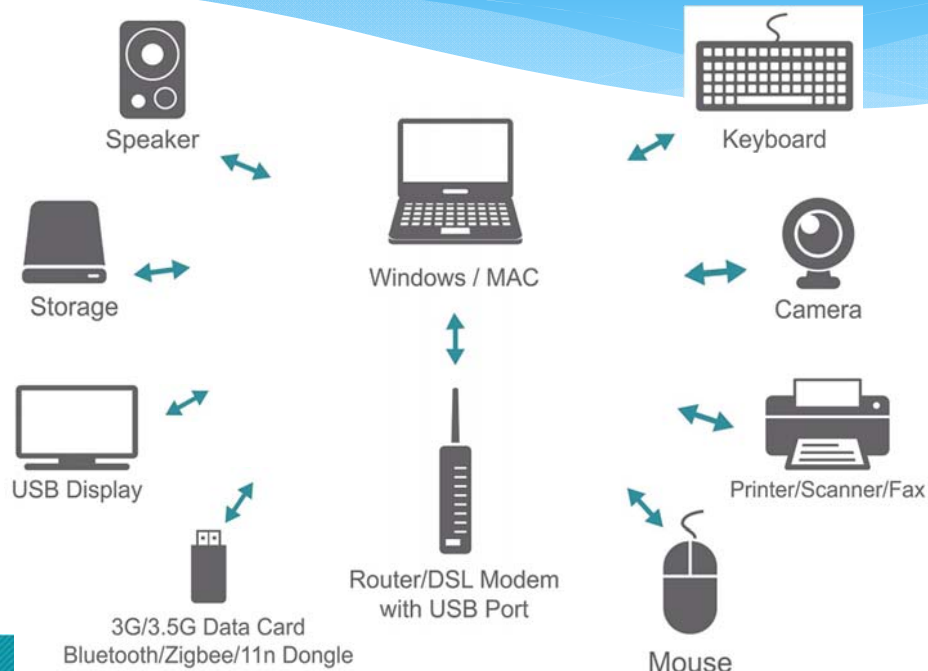
USB port)

- Supports USB 1.0 / 1.1 / 2.0 /3.0
- Supported OS:  **Mac OS 10.5x – 10.13 high sierra**  
 Windows 7 ~10 (32/64bit)  
 Windows Vista (32/64-bit)  
 Windows XP

**KCodes**

Confidential

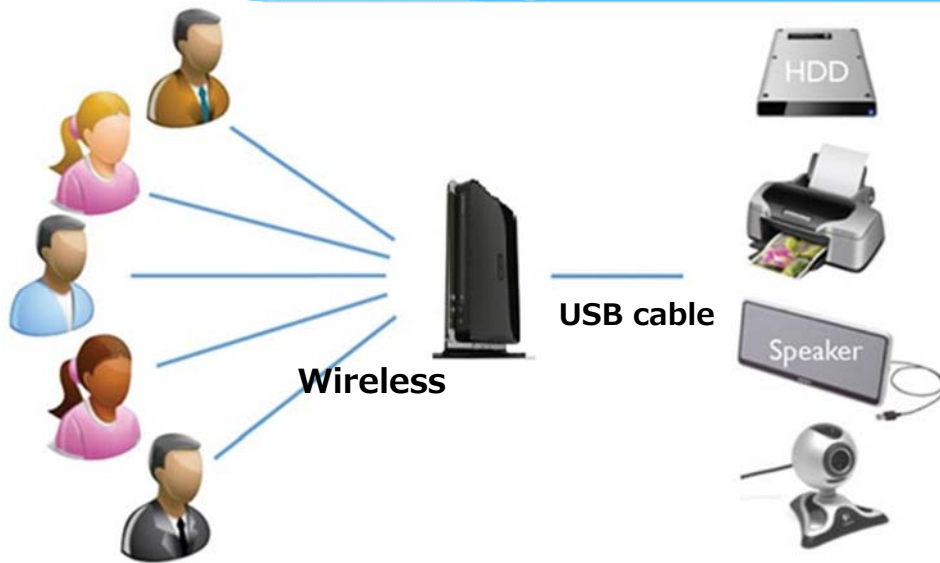
# USB Device Support



**KCodes**

Confidential

# User Example

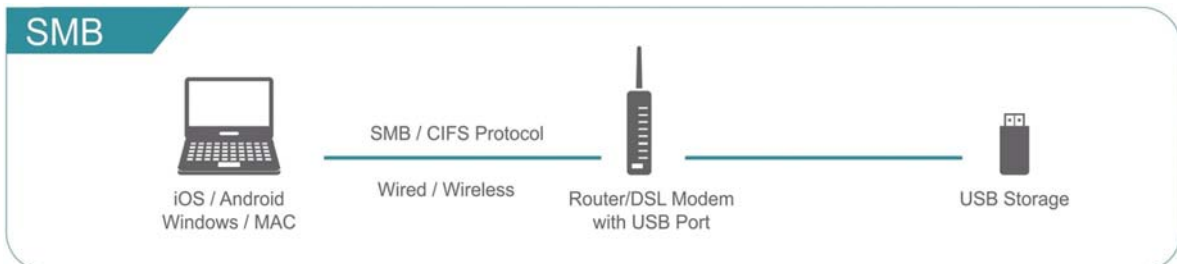


**KCodes**

Confidential

# SMB

KC SMB Server is based on the Microsoft SMB/CIFS protocol. File Services provided KC SMB Client for accessing files on Microsoft Windows, Apple Mac OS X and most Linux.



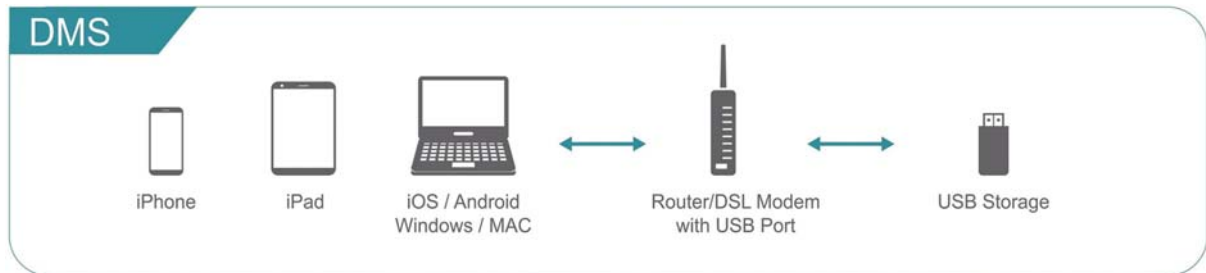
**KCodes**

Confidential

# DMS

DMS (Digital Media Server)

KCodes DMS software module provides multimedia files reading and can be used as a video file provider.



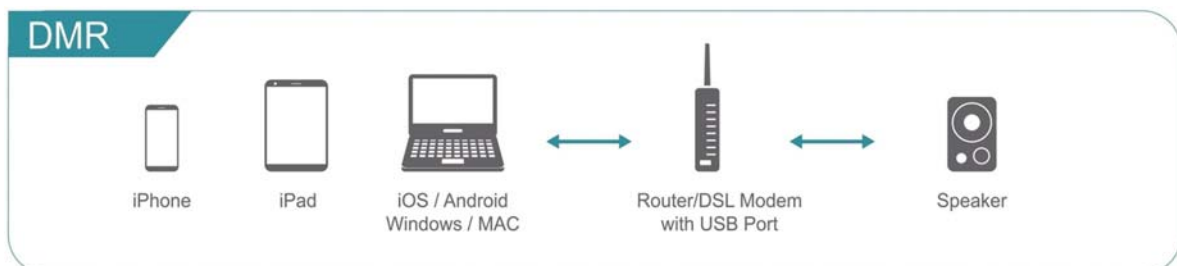
**KCodes**

Confidential

# DMR

DMR(Digital Media Renderer)

KCodes DMR software module can access and play the multi-media content from DMC.



**KCodes**

Confidential



# Our Customer

**NETGEAR®**  
Connect with Innovation™

**TP-LINK®**  
The Reliable Choice

**D-Link®**  
Building Networks for People

**Tenda®**

**ZyXEL**

**SITECOM**

**TRENDnet**

**ASRock**  
Tomorrow's Technology Today

**KCodes**

Confidential

*Our ODM/OEM product*

*~Your quality guardian partner~*

**KCodes**

# Your SW/HW OEM&ODM provider

KCodes has more than 17 years of experience in ODM/OEM. We have professional development and quality assurance teams to meet customer needs and provide customized products.

Such as POS printers LAN/Wi-Fi module, Wi-Fi scanner module, IPPBX module, IoT module and so on.

We also provide wireless/USB related software customization services such as USB Extender, Wireless Docking (Two Full HD images can be played simultaneously in a 5GHz wireless environment), ...etc.,

**KCodes**

Confidential

## What We can Do

- ⊙ LAN/Wi-Fi Module for Printer, POS printer, scanner, etc.,
  - ⊙ IoT Module for your inquiry.
  - ⊙ USB extender (up to 50~100M)
  - ⊙ Docking Station
  - ⊙ ODM/OEM HW/SW service for your inquiry.
- ✓ We have manager with each project to keep your cost & schedule.
  - ✓ We have own QA team to execute Quality control / process management  
-KCodes have ISO9001 from 2010

**KCodes**

Confidential

# Support O/S

iOS OSX



KCodes

Confidential

# Our Customer



KCodes

Confidential



# *THANK YOU*

## **Contact Info**

### **KCodes Corporation.**

Address : 7F, No 252, Sec 1, Neihu Rd., Neihu District, Taipei 114, Taiwan  
台北市內湖區內湖路一段252號7樓

Tel : +886-2-2656-2386

Fax : +886-2-2797-6047

Sale Inquiry : sales@kcodes.com

Technical Support : support@kcodes.com

<http://www.kcodes.com>