

PIXEOM :

The Private-Personal Cloud device.

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Seminar Contents

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- What is Cloud Storage?
- What is PIXEOM?
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Introduction

- **Pixecom Is An Anti-Corporate Cloud Device That Wants To Give You Back Your Data Privacy.**

What is Cloud Computing ?

- Cloud computing is **anything that involves delivering hosted services over the internet.**
- on-demand availability of **data storage (cloud storage)** and **computing power**, without direct active management by the user.



What is PIXEOM ?

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- It's a **personal, encrypted** cloud device.
- Plugs into your **home Internet** via Ethernet.
- Cloud storage for data without having to go through any **third party intermediaries**.
- Support for unlimited expansion of storage.
 - By **chaining** together **multiple Pixeoms**, or
 - By plugging in **additional USB hard drives**.

What is PIXEOM ?

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Pixeom is a secure little cloud box



Everyone gets their own box



What is PIXEOM ?

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Each box runs free apps for the owner



File
Exchange

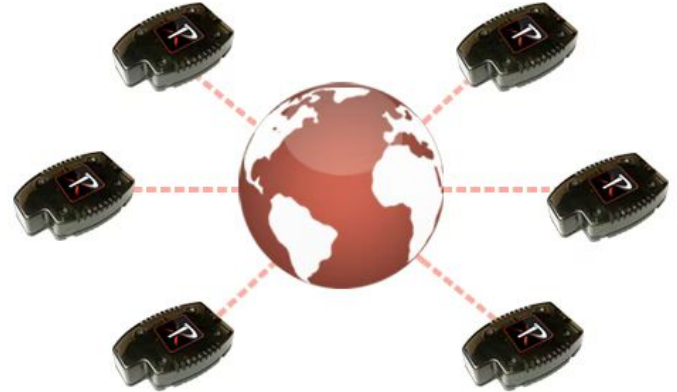


Club
Exchange



Market
Exchange

Boxes stay private or join a global network



What is PIXEOM ?

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Pixeom is a secure little cloud box



Everyone gets their own box



PIXEOM Founders

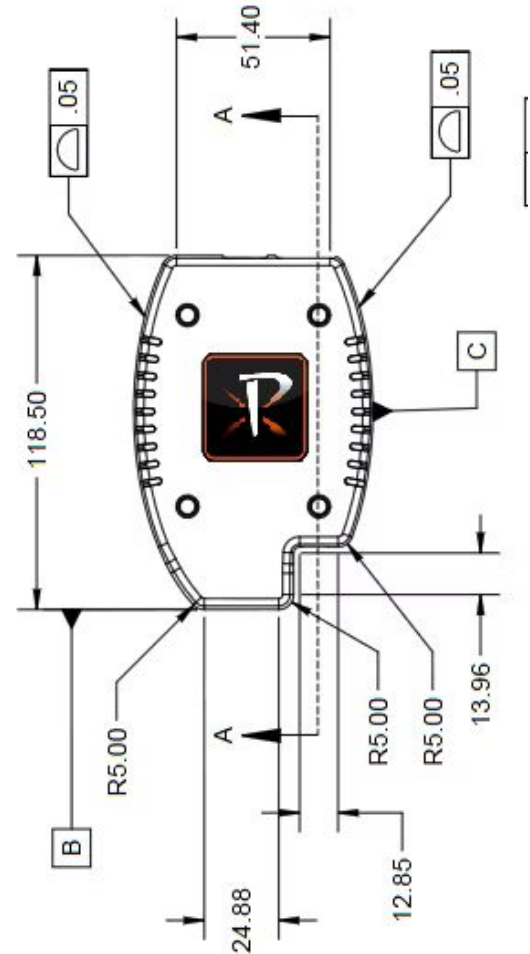
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- PIXEOM is a prototype device being Kickstarted by **brother and sister duo Karishma and Sam Nagar.**
- Got inspiration for their idea from **numerous security scandals** and **issues of privacy** at cloud-service leaders.

Specifications of PIXEOM

- Embedded **Linux**
- **Broadcom** BCM2835 system on a chip (SoC).
- ARM1176JZF-S 700 MHz processor.
- 512 MB RAM.
- 16 GB Internal Storage.
- 2 **USB** Ports.
- 10/100 **LAN** Port.
- LEDs for Power, Storage Access, Ethernet.
- **Low Power**, Green 5V/1A Power Supply.



Specifications of PIXEOM

- Can **perform at high temperatures**.
- **Easy** to setup and connect from anywhere in the world.
- It has a **self configuration** software built in.
- Multiple Pixeoms linked to provide a single cloud that can be **accessed from anywhere** on the Internet.
- There are **no subscription costs** involved.

Access and Share Files



Actions



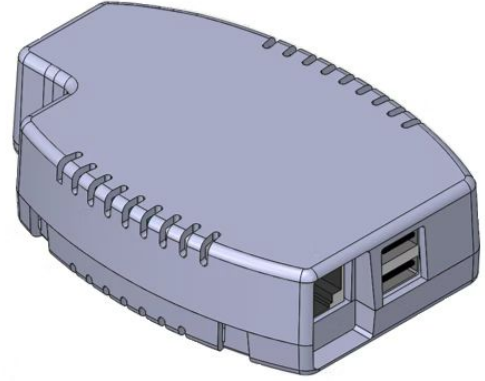
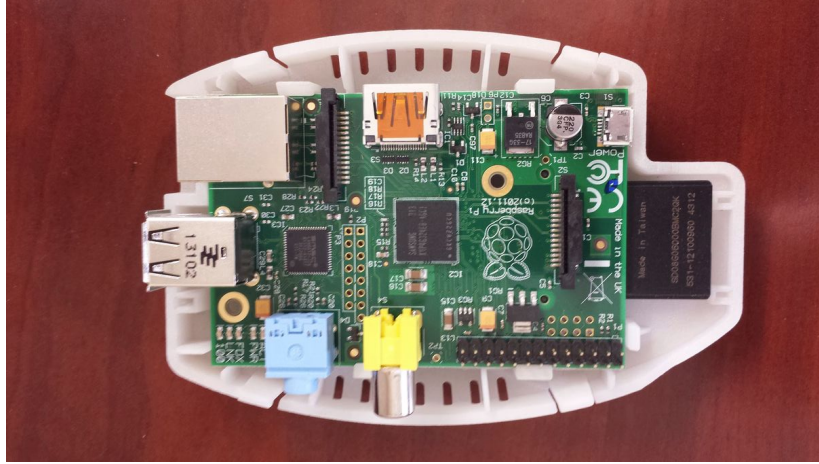
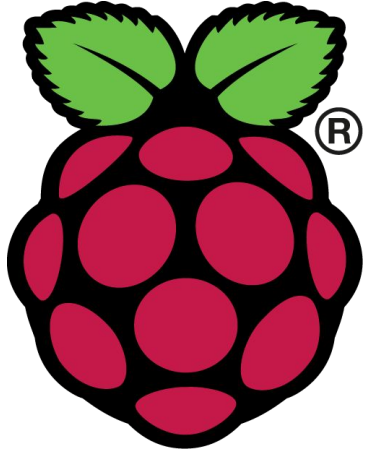
Files

[Home](#) > [My Documents](#) > Important

 search

File Name ▲	Type ▲	Size	Owner	Shared	Last Modified ▼
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Music	Folder	11.5 GB	Sam	<input type="checkbox"/>	7/1/2013 2:38 PM
Resume.doc	File	16 KB	Sam	7 People	7/3/2013 1:43 AM
Family Portrait.jpg	File	2.1 MB	Sam	4 People	4/29/2013 5:22 PM
Expenses.xls	File	251 KB	Sam	<input type="checkbox"/>	5/18/2013 9:09 AM
Potential Names.txt	File	300 KB	Amy	2 People	8/1/2013 1:13 PM

Raspberry Pi - The Base



- **New** Iterations of Raspberry Pis can be installed and reconfigured. (Compute Modules, RPi4) or other SBC.
- Can use **Battery Backup**.
- Can use **NVMe/SSD** Storage.

Advantages

- No Third Parties storing personal data.
- Decentralized Storage and Computing.
- Expandable and Upgradable.
- No Subscriptions.
- Encrypted



Present Situation

SIEMENS

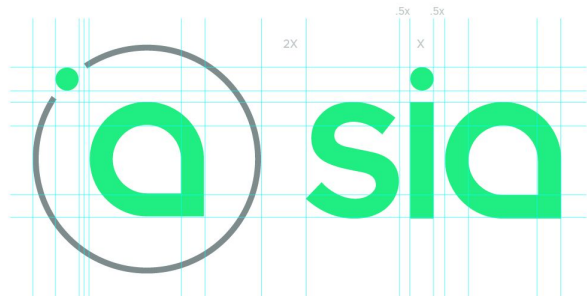
Ingenuity for life

- They decided to pivot and go from a consumer product to an **enterprise platform**.
- In the five years since it launched, Pixeom has become the **market-leading software-defined edge computing platform** that is redefining **how enterprises manage hybrid cloud resources**

Pixeom has agreed to an acquisition by Siemens

We would like to thank our valued employees, customers, and partners who were part of our journey as we pioneered edge computing and grew into the world's most widely used edge management platform.

PIXEOM Alternatives



STORJ



Conclusions

1. A combination of Dropbox/Box/Facebook/Google with a **focus on privacy**.
2. **Scalable device** that continues to grow as **one large storage pool** instead of multiple “islands” of user data.
3. An **optional exchange network** that anyone can browse full of public content from people’s devices that can **one day rival the large datacenters**

THAN-XEOM
