Product Descriptions

NuvlaBox.

Smart cloud-in-a-box Appliances

Essentials

SixSq's smart cloud-in-a-box appliance delivers all the power of the cloud packaged in a simple, small and secure device. The NuvlaBox's ability to work both autonomously and as a remote controlled connected device gives great flexibitiy to support numerous applications.

Privacy & Security: For most smaller organisations, the cost of a private and secure cloud infrastructure is prohibitive. With the NuvlaBox, you get an affordable entry point into cloud computing.

Simplicity: Smart factory settings and zero config means it's a child's play to set up and use. You plug it in, power it up and you are good to go. Combined with its remote-control capabilities, this means you don't need IT experts on-site.

Overview

NuvlaBox is a simple and secure private cloud solution which offers easy and affordable access to the benefits of cloud computing. It is a plug & play device with remote management and application update capabilities. It can be easily and securely deployed by a non-technical operator.

Key business benefits

- Built-in **security**. All communication is encrypted and deployments automated for increased security.
- **Plug & Play** device. The NuvlaBox is pre-configured so the end user has to simply plug it in and it's operational.
- Central control point. Using a **user-friendly web interface** the NuvlaBox can be controlled via simple dashboard.
- **Remote updates** mean reduced costs. No need to send an engineer or expert on site to update hardware or software.
- **Secure web access** to the apps running in your NuvlaBox.
- Supports **hybrid cloud** deployment scenarios. Workloads can be easily moved from private to public cloud giving flexibility and cost savings.
- **Reliable local connectivity**. Once powered up the NuvlaBox creates its own local WiFi network, which can be used by any device.
- **Connectivity agnostic**. The NuvlaBox can be connected to the wide area network using a number of connectivity technologies, including Ethernet, mobile, WiFi and satellite.

Who is it for?

The NuvlaBox is perfect for **SMEs** wishing to create a small private cloud without incurring large infrastructure costs.

It offers a solution to **service providers** suffering from edge-of-the-network problems, as the NuvlaBox can bridge the last mile problem.

Governments and **public bodies** can deploy NuvlaBoxes for e-Learning, e-Health, field operations, critical infrastructure protection, as well as Internet of Things (IoT) and Smart City applications.

How does it work?

The customer can decide which applications should be pre-installed in the NuvlaBox. The boxes are then shipped directly to the customer's location. Once on site, simply connect the NuvlaBox(es) to a power supply and a network device. The NuvlaBoxes can then be locally or remotely operated. When connected to the network, new applications can also be downloaded and installed on any box, remotely, at the click of a button.

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Connectivity: Once powered-up, the box can create its own local Wi-Fi network, which can be used by any device (e.g. laptop, smart phone, tablet, PC).

Cost savings: Replace up to 8 of your servers (4 for the Mini) with an appliance as small as a modem. Manage your applications from a user-friendly web interface.

Scalability: The NuvlaBox supports hybrid deployment scenarios, so you can scale out to remote or public clouds, giving you the simplest ever complete hybrid cloud solution."

SixSq website:
sixsq.com

NuvlaBox® product:
sixsq.com/products/nuvlabox

SlipStream® product:
sixsq.com/products/slipstream

HPE Gateway series:
http://bit.ly/2zsSTHD

NuvlaBox Technical Specification

Software Specification
NuvlaBox is built on top of a robust Open Source foundation:

- Operating System: **CentOS**
- Cloud layer - Infrastructure as a Service (IaaS): **OpenNebula**
- App Store - Platform as a Service (PaaS): **SlipStream**

Virtualisation is performed using KVM. No other cloud appliance provides this level of functionality and integration.

Hardware Specification
The hardware platform is a based on the Hewlett Packard Enterprise Intelligent Gateway series. The gateways provide industrial-grade network edge devices which are certified to operate from -20° C to +60° C are dust resistant and tolerant to high levels of shock/vibration. A universal mounting kit as well as a universal power kit are included.

The NuvlaBox Standard, based on the HPE IoT Gateway GL20, has the following specification:

- Intel core TM i5 processor
- 8 GB RAM
- 64 GB SSD
- 9 to 36 volts DC input
- WiFi (optional)
- GSM (optional)
- 2 x USB 3.0
- 2 x USB 2.0
- HDMI + VGA connectors

The NuvlaBox Mini, based on the HPE IoT Gateway GL10, has the following specification:

- Intel Atom processor
- 4 GB RAM
- 32 GB SSD
- 12 volts DC
- WiFi (optional)
- GSM (optional)
- 2 x USB 2.0
- 1 x USB 3.0
- HDMI + VGA connectors

About SixSq
SixSq provides cloud neutral solutions which allow companies and institutions to benefit from cloud computing while avoiding vendor and technology lock-in. SixSq's smart cloud brokerage platform, Nuvla®, offers application deployment from a single, simple dashboard. Its smart cloud-in-a-box appliance, NuvlaBox®, is a simple plug & play IT solution bringing customers a private cloud at an affordable price. It is powered by SlipStream®, the company's cloud management platform, which allows users to deploy any application in any cloud. SixSq is a member of the RHEA Group.

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