IPI DC-BOX

DC-BOX SKUs

A validated ready-to-deploy data center solution for next generation data center roll outs. Buy as a bundle or order individual units to build your own configuration.

DC-BOX-AS5812-1Y: One Edgecore AS5812-54x switch pre-loaded with OcNOS including 24x7 support for 1 year.

DC-BOX-AS7712-1Y: One Edgecore AS7712-54x switch pre-loaded with OcNOS including 24x7 support for 1 year.

DC-BOX-4LS-1Y: Bundle includes 2xleaf (AS5812-54x) and 2xspine (AS7712-32x) switches with OcNOS software including 24x7 support for 1 year. Includes cables and optics for the Leaf-Spine connections.

Ready to purchase: Please send an email to dcbox@ipinfusion.com or sales@ipinfusion.com

For more information about IPI visit: www.ipinfusion.com

Targeted DC Architectures

- Leaf Spine
- CLOS Fabric
- Mobile Edge Computing
- Internet Exchange Point (IXP)

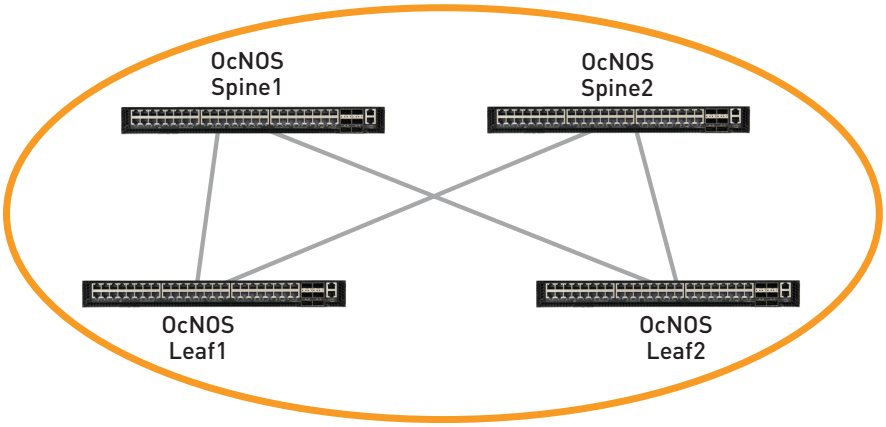
IPI DC-BOX, a ready-to-deploy data center in a bundle, uses **OcNOS™** carrier-grade network operating system to build next generation data centers with the benefits of disaggregation.

Overview

IPI DC-BOX accelerates the move to next generation data center architectures with open networking switches. This pre-configured ready-to-deploy bundle delivers carrier-grade performance with the benefits of disaggregation.

The bundle includes two leaf switches (AS5812-54x) and two spine switches (AS7712-32x) from Edgecore Networks running OcNOS™ network operating system from IPI.

Building a data center POD with open networking switches and software is much easier than ever with the ready-to-deploy solutions and configurations which comes with the bundle or build your own configuration from individual switches loaded with software.



Benefits of DC-BOX

- Ready-to-deploy extensible micro POD. Ideal for brown-field and green-field deployments.
- Single point of contact from ordering to support.
- Faster deployment with a pre-validated solution.

DC-BOX

LINX LON2 - OcNOS helps LON2 to migrate to the world's first disaggregated network using EVPN technology.

For the London Interconnect Platform (LON2), the London Internet Exchange (LINX) selected a disaggregated platform that's designed using an extend data center leaf and spine architecture spread across 10 locations in metro London, and a new data center interconnection (DCI) solution. LINX, one of the largest operators of Internet Exchange Point (IXP) services connecting over 820 networks in over 75 countries, is the first IXP in the world to adopt a disaggregated model.

Why disaggregation? Disaggregation with its white box options allows you to build it yourself to meet your specific needs and challenges. With disaggregation you use standard components that can scale and offers features tuned to your specific need at hand. The modular ecosystem allows for more granular investment cycles

OcNOS supports a highly scalable 100G interconnection fabric for connecting multiple distributed locations. The solution uses control plane learning using EVPN, network segmentation and virtualization using VXLAN, multihoming for redundancy, ACL/QoS policies for fine grained control of member traffic, support for sFlow and management automation.

How OcNOS enables the DC and IXP solution

The major features of this solution are:

- Multi-stage CLOS fabric
- Choice of underlay (eBGP, iBGP, OSPF, IS-IS)
- Network segmentation and virtualization using VXLAN
- Controllerless management using EVPN
- VXLAN Multihoming for redundancy
- ACL/QoS policies for fine-grained control traffic

- Installation using ZTP
- Management VRF and VRF route leaking
- ECMP and Load balancing Member traffic controlled at various grades using ingress/egress policing
- Storm control with rate limiting for controlled flooding
- LAG for redundancy
- Management through NetConf/Yang
- sFlow enabled on all member ports to track traffic
- BFD for faster convergence (hardware-based micro-BFD)
- MAC ACLs
- Local switching of different VLAN traffic on the same switch (Hair-pinning)
- CPU rate limiting to defend from DDoS attacks

Key highlights of LON2 network

1. Service Availability: 99.99996% 2. Number of sites: 11 3. Traffic stats: 400 Gbps avg. per day

LINX deployed OcNOS on open network switches from Edgecore Networks – AS7712-32X 100 GbE and AS5812-54X 10 GbE based on Broadcom Tomahawk and Trident II+ silicon respectively – to build the disaggregated model for their LON2 network. This solution delivers reduced total cost of ownership and greater levels of service quality to their customers.

ipinfusion™

About IP Infusion

IP Infusion, the leader in disaggregated networking solutions, delivers the best network OS for white box and network virtualization. IP Infusion offers network operating systems for both physical and virtual networks to carriers, service providers and enterprises to achieve the disaggregated networking model. With the OcNOS™ and VirNOS™ network operating systems, IP Infusion offers a single, unified physical and virtual software solution to deploy new services quickly at reduced cost and with greater flexibility. Over 300 customers worldwide, including major networking equipment manufacturers, use IP Infusion's respected ZebOS platform to build networks to address the evolving needs of cloud, carrier and mobile networking. IP Infusion is headquartered in Santa Clara, Calif., and is a wholly owned and independently operated subsidiary of ACCESS CO., LTD. Additional information can be found at http://www.ipinfusion.com.

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IP Infusion
An ACCESS Company
(408) 400-3000
www.ipinfusion.com
3965 Freedom Circle
Suite 200
Santa Clara, CA 95054