XipLink Hardware Platforms

Reliable SDN Platforms

XipLink offers a carefully curated but comprehensive range of networking platforms that address scalability requirements demanded by modern software defined networking applications.

Premises Equipment (uCPE), to provide cloud edge services and third-party Virtualized Network Functions (VNF).

Virtual Appliances

The XipOs virtual appliances provide advanced Wireless Link Optimization capabilities as well as core platform management capabilities.

The XipOS Virtual (XV) software image is pre-installed on every XipLink Hardware (XH) platform prior to shipping. This allows the required session and aggregate bandwidth to be licensed remotely by applying a license code in the user interface.

For more information on the features and functions of the XipOS software, please refer to the XipLink Software Datasheet.

Partner Virtual Network Functions

XipLink provides the opportunity for partners to execute network functions and edge applications on the XipLink platform.

Typical partner applications are:

Network functions can be installed as:
- A Kernel Virtual Module (KVM) Image
- A Docker container

Partner integration programme
- Third party software installation must be validated by XipLink
- XipLink provides partner software integration and testing as a service offering

Base Operating System

All XH series platforms ship with a pre-installed Ubuntu LTS 18 with KVM hypervisor, as well as a base XipOS virtual appliance image.

Platform	Recommended XipOS Software
XH-1	XV-1K to XV-4K
XH-10	XV-6K to XV-20K
XH-100	XV-30K to XV-100K
XH-1000	XV-150K, 2 x XV-100K or 2 x XV-150K

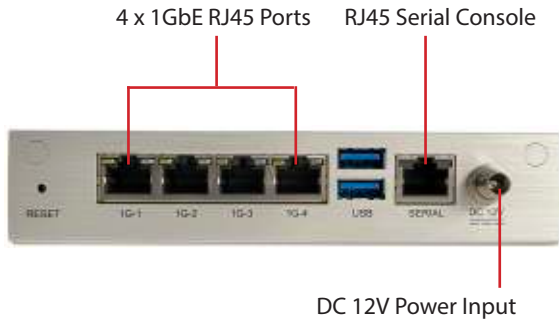**XipLink, Inc. Headquarters**
4200 St. Laurent Blvd, Suite 1010
Montreal, Quebec, H2W 2R2, CANADA
+1 514-848-9640

www.xiplink.com

XipLink Hardware Platform Interfaces

XH-1

4 x 1GbE RJ45 Ports   RJ45 Serial Console

DC 12V Power Input

XH-10

2 x 1Gb SFP Ports

RJ45 Serial Console

DC 12V Power Input   6 x 1GbE RJ45 Ports

Device Maintenance

XH-100

RJ45 IPMI Management

RJ45 Serial Console

10 x 1GbE RJ45 Ports   4 x 1Gb SFP Ports

XH-1000

10 x 10Gb SFP+ Ports

RJ45 Serial Console & USB Ports

2 x 1GbE RJ45 & IPMI Management Ports   4 x 1GbE RJ45 Ports

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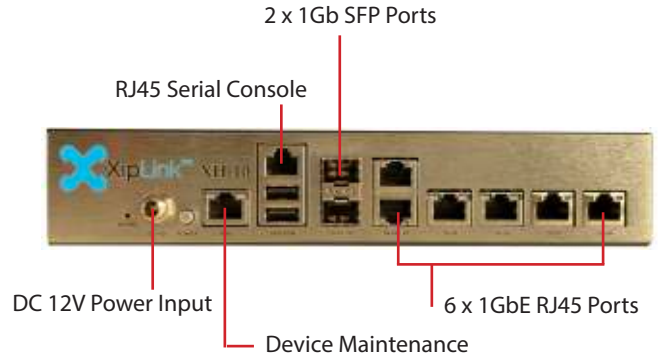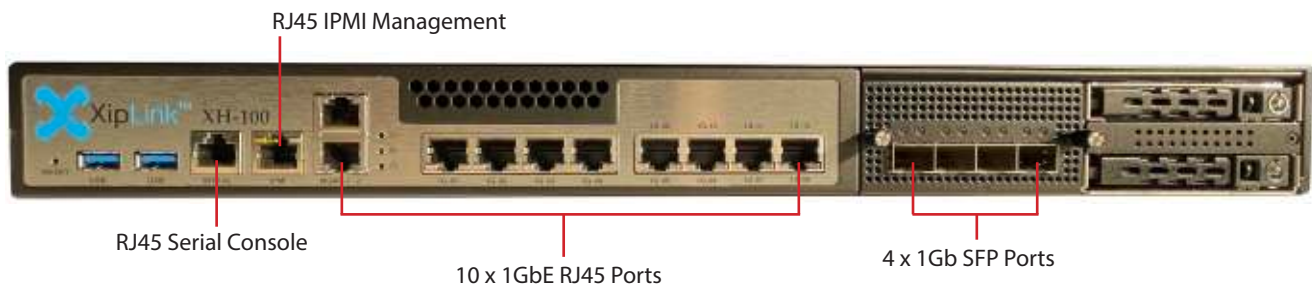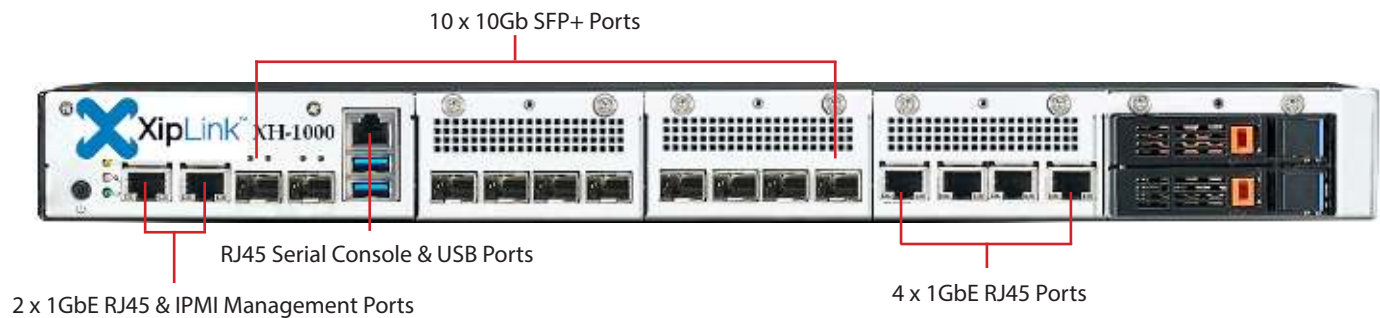
XipLink Platform Detailed Specifications

Platform Model	XH-1	XH-10	XH-100	XH-1000
Compute and Storage				
CPU type	Atom x5-E3940	Atom C3758	Xeon E-2246G	Xeon Gold 6208U
CPU Cores and Threads	4/4	8/8	6/12	16/32
RAM	8 GB	16 GB	32 GB	96 GB
Storage Unit Size	32 GB	240 GB	240GB	480 GB
Storage Units and Type	1x eMMC	1x SSD	2x SSD (RAID1)	2x SSD (RAID1)
Networking and Interfaces				
RJ45 @ 1 GbE	4x	6x	10x	6x
SFP @ 1 GbE	-	2x	4x	-
SFP+ @ 10 GbE	-	-	-	10x
Fail to Wire (Bypass)	Yes	Yes	Yes	Yes
LCD / frontpanel interface	No	No	No	No
Management port	Serial RJ45	Serial RJ45 and IPMI	Serial RJ45 and IPMI	Serial RJ45 and IPMI
Power Supply				
AC Supply Frequency	60 or 50 Hz	60 or 50 Hz	60 or 50 Hz	60 or 50 Hz
AC Supply Voltage	AC 100-250V	AC 100-250V	AC 100-250V	AC 100-250V
Power Consumption (Max)	24 W	60 W	300 W	650 W
	82 BTU/hr	205 BTU/hr	1024 BTU/hr	2218 BTU/hr
Redundant Power supply	-	-	Included	Included
AC Power Supply Qty and Type	1x External	1x External	2x Internal	2x Internal
-48V DC PSU (Paid Option)	1x External	1x External	2x Internal	2x Internal
Physical				
Current Hardware Revision	Rev 6	Rev 6	Rev 6	Rev 6
Form Factor	Desktop	Desktop	1U rack mount	1U rack mount
Unit Dimensions (H x W x D)	32 x 155 x 92 mm	44 x 231 x 200 mm	44 x 438 x 500 mm	44 x 438 x 550 mm
	1.26 x 6.1 x 3.6 in	1.73 x 9.1 x 7.9 in	1.73 x 17.3 x 19.7 in	1.73 x 17.3 x 21.7 in
Unit Weight	0.6 kg / 1.3 lbs	1.2 kg / 2.7 lbs	7.1 kg / 15.7 lbs	15.7 kg / 34.6 lbs
Package Dimensions (HxWxD)	95 x 229 x 152 mm	135 x 290 x 358 mm	215 x 582 x 739 mm	305 x 635 x 750 mm
Package Weight	0.93 kg / 2.05 lbs	2.75 kg / 6.06 lbs	13 kg / 28.66 lbs	20.1 kg / 44.31 lbs
Air Intake	Fanless	Side	Front	Front
Air Outflow	Fanless	Side	Rear	Rear
Rack mount kit	Optional	Optional	Yes – Slide rails	Yes – Slide rails
	Single or dual	Single		
Environmental				
MTBF	162,469 hours	116,975 hours	76,978 hours	166,753 hours
Operating Humidity	10% to 80%	5% to 90%	5% to 90%	Up to 95%
Storage Temperature range	-20° to 60°C	-20° to 70°C	-20° to 70°C	-20° to 60°C
	-4° to 140°F	-4° to 158°F	-4° to 158°F	-4° to 140°F
Operating Temperature Range	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C
	32° to 104°F	32° to 104°F	32° to 104°F	32° to 104°F
Regulatory				
Certifications	CE, FCC, IC	CE, FCC, IC	CE, FCC, IC	CE, FCC, IC

XipLink reserves the right to change specifications and branding, E&OE.

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Hardware Options

SFP Module Order Codes

SFP Module Type	XH-10	XH-100	XH-1000
1G Copper	XO-XH10/1GC	XO-XH100/1GC	XO-XH1000/1G
1G SR Fiber	XO-XH10/1GSF	XO-XH100/1GSF	XO-XH1000/1GSF
1G LR Fiber	XO-XH10/1GLF	XO-XH100/1GLF	XO-XH1000/1GLF
10G Copper	-	-	XO-XH1000/10GC
10G SR Fiber	-	-	XO-XH1000/10GSF
10G LR Fiber	-	-	XO-XH1000/10GLF

Cable Order Options

Order Code	Description
XO-PCstd/AM	Power Cord (North America Style).
XO-PCstd/EU	Power Cord (European Union Style).
XO-PCstd/UK	Power Cord (UK Style).
XO-PCstd/IN	Power Cord (India/RSA Style).
XO-PCstd/AU	Power Cord (Australia Style).
XO-PCstd/JP	Power Cord (US Style / Japan Certified).

Rack Mounts and Power Supply Options

Order Code	Description
XO-XH1-R6/RM	Single or dual XA 1U Rack Mount Kit for XH-1 Rev6
XO-XH10-R6/RM	Single XA Rack Mount Ear Kit for XH-10 Rev6.
XO-XH10-R6/DC	Single External 48V DC Supply for XH-10 Rev 6, XH-1 Rev6.
XO-XH100-R6/DC	Pair of Internal 48V DC Power Modules for XH-100 Rev6.
XO-XH1000-R6/DC	Pair of Internal 48V DC Power Modules for XH-1000 Rev6.

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