XipLink Networking 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.

The platforms are uniquely targeted at the wireless service provider environment to provide highly scalable options that can be used to deploy software defined networking functionality at the edge, the network core, or the cloud edge.

These platforms can be deployed as turn-key XipLink appliances or can also be deployed as universal Customer 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 Security
- Content Distribution
- Hybrid Cloud Edge Services
- Internet Of Things (IOT) Event Aggregation
- Software Defined - Wide Area Networking (SD-WAN)
- Software At the Service Edge (SASE)

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.
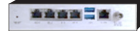
Platform	Maximum Throughput
XH-1	100Mbps*
XH-10	250Mbps*
XH-100	1Gbps*
XH-1000	3Gbps*

Throughput may change depending on traffic mix, features configured and XV model installed

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XipLink Networking Platform Specifications

Platform Model	XH-1	XH-10	XH-100	XH-1000
Compute and Storage				
CPU Type	Intel Atom	Intel Atom	Intel Xeon	Intel Xeon
vCPUs	4	8	12	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)	1 pair RJ45 1Gb	1 pair RJ45 1Gb	3 pairs RJ45 1Gb	2 pairs RJ45 1Gb
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/Typical)	24 / 10 W	60 / 30 W	300 / 150 W	650 / 300 W
Heat Dissipation (Max/Typical)	82 / 34 BTU/hr	205 / 103 BTU/hr	1024 / 512 BTU/hr	2218 / 1024 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 1.26 x 6.1 x 3.6 in	44 x 231 x 200 mm 1.73 x 9.1 x 7.9 in	44 x 438 x 500 mm 1.73 x 17.3 x 19.7 in	44 x 438 x 550 mm 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 Single or dual	Optional Single	Yes – Slide rails	Yes – Slide rails
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℃ -4° to 140°F	-20° to 70℃ -4° to 158°F	-20° to 70℃ -4° to 158°F	-20° to 60℃ -4° to 140°F
Operating Temperature Range	0° to 40℃ 32° to 104°F	0° to 40℃ 32° to 104°F	0° to 40℃ 32° to 104°F	0° to 40℃ 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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