

XipLink™ Networking Platforms



Reliable & Scalable SDN Platforms

XipLink offers a carefully curated but comprehensive range of networking platforms that address scalability requirements demanded by modern Software Defined Networking (SDN) applications.

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

Typical partner applications include:

- 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 program:

- 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 22 with KVM hypervisor, as well as a XipOS virtual appliance image.

Platform	Maximum Throughput
XH-1	100Mbps*
XH-10	250Mbps*
XH-100	1Gbps*
XH-1000	3Gbps*
XH-10000	10 Gbps*

**Throughput may change depending on traffic mix, features configured and XV model(s) installed*



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Product	XH-1	XH-10	XH-100	XH-1000	XH-10000
Compute					
CPU Type	Intel Atom	Intel Atom	Intel Xeon	Intel Xeon	AMD Epyc
vCPUs	4	8	12	32	128
RAM	8 GB	16 GB	32 GB	96 GB	192 GB
Storage Size	32 GB	240 GB	240GB	480 GB	960 GB
Storage Type	1x eMMC	1x SSD	2x SSD (RAID1)	2x SSD (RAID1)	2x SSD (RAID1)
Networking					
1 Gb Ethernet	4x RJ45	6x RJ45 + 2x SFP	10x RJ45 + 4x SFP	6x RJ45	-
10 Gb Ethernet	-	-	-	10x SFP+	2 + 8x RJ45
Bypass / FTW	1 pair RJ45 1Gb	1 pair RJ45 1Gb	3 pairs RJ45 1Gb	2 pairs RJ45 1Gb	-
Serial Console	1x RJ45	1x RJ45	1x RJ45	1x RJ45	1x DB9
IPMI / BMC	-	1x RJ45	1x RJ45	1x RJ45	1x RJ45
Power					
AC Frequency	60 or 50 Hz	60 or 50 Hz	60 or 50 Hz	60 or 50 Hz	60 or 50 Hz
AC Voltage	100-250 Vac	100-250 Vac	100-250 Vac	100-250 Vac	100-240 Vac
Power (Max./Typ.)	24 / 10 W	60 / 30 W	300 / 150 W	650 / 300 W	600 / 384 W
Heat (Max./Typ.)	82 / 34 BTU/hr	205 / 103 BTU/hr	1024 / 512 BTU/hr	2218 / 1024 BTU/hr	2047 / 1310 BTU/hr
Redundant PSU	-	-	Yes	Yes	Yes
PSU # and Type	1x External	1x External	2x Internal	2x Internal	2x Internal
-48V DC PSU	Paid Option	Paid Option	Paid Option	Paid Option	Paid Option
Physical					
HW Revision	Rev 6	Rev 6	Rev 6	Rev 6	Rev 7
Form Factor	Desktop	Desktop	1U rack mount	1U rack mount	1U rack mount
Platform Size (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	44 x 437 x 430 mm 1.7 x 17.2 x 16.9 in
Platform 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	4.5 kg / 10 lbs
Package Size (H x W x D)	95 x 229 x 152 mm 3.7 x 9 x 6 in	135 x 290 x 358 mm 5.3 x 11.4 x 14.1 in	215 x 582 x 739 mm 8.5 x 22.9 x 29.1 in	305 x 635 x 750 mm 12 x 25 x 29.5 in	203 x 685 x 609 mm 8 x 27 x 24 in
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	7.7 kg / 17 lbs
Air Intake	Fanless	Side	Front	Front	Front
Air Outflow	Fanless	Side	Rear	Rear	Rear
Rack Mount kit	Optional - Single or dual	Optional - Single	Included - Slide rails	Included - Slide rails	Included - Slide rails
Environmental					
MTBF	162,469 hours	116,975 hours	76,978 hours	166,753 hours	98,677 hours
Op. Humidity	10% to 80%	5% to 90%	5% to 90%	Up to 95%	8% to 90%
Storage Temp	-20° to 60°C -4° to 140°F	-20° to 70°C -4° to 158°F	-20° to 70°C -4° to 158°F	-20° to 60°C -4° to 140°F	-40° to 70°C -40° to 158°F
Operating Temp	0° to 40°C 32° to 104°F	0° to 40°C 32° to 104°F	0° to 40°C 32° to 104°F	0° to 40°C 32° to 104°F	0° to 40°C 32° to 104°F
Regulatory					
Certifications	CE, FCC, IC	CE, FCC, IC	CE, FCC, IC	CE, FCC, IC	DC Option: NEBS