



Buying Guide—Which iBypass Belongs in your Network?

Choosing the right iBypass

Bypass Switches are in-line devices that provide fail-safe protection for in-line security and monitoring devices, such as an intrusion prevention system (IPS), web application firewalls (WAFs), and many others.

Keysight offers a wide array of iBypass switch products to support user requirements for high availability, failure modes, speeds, and different media types. Please read on to find the right iBypass product for your particular deployment.

Is high availability required?

The high-density models of Keysight iBypass Switches, offer several high availability options that will guarantee network uptime and maximize security.

High availability features supported by Keysight Bypass Switches:

- Active-Standby = Single active tool with redundant tool connections through the iBypass
- Active-Active = Multiple tools connected serially through the iBypass

Keysight options: iBypass VHD, iBypass DUO, iBypass HD

What is your network speed?

- 40GE: iBypass 40G
- 10GE: iBypass VHD, iBypass DUO
- 1GE: iBypass HD w/ DBM-200, DBM-250, or DBM-300, iBypass DUO, iBypass VHD
- 10/100/1000 Mbps: iBypass HD w/ DBM-100, iBypass 3

What type of network ports do you need?

- SFP+: iBypass VHD
- MTP: iBypass 40G
- LC: iBypass HD w/ DBM-200, DBM-250, or DBM-300, iBypass 10 G, iBypass DUO
- RJ45: iBypass HD w/ DBM-100, iBypass 3

Keysight iBypass switch key features

The product matrix table below indicates the key features that differentiate each of the iBypass products.

iBypass	HA Support	# Of net. Segments per device	Speed	Network media type	Bypass type	Part numbers
iBypass VHD	Yes	Up to 12	10 Gbps or 1 Gbps	SFP+/SFP	Modular Chassis (up to 3 modules)	IBPVHD-CH-AC / IBPVHD-CH-DC w/ IM-21-BYP LIC-IM-21-AR
iBypass 40G	No	1	40G MM	MTP Fiber	Standalone	I2BP-40G-SR-50-Q
iBypass DUO	Yes	2 or 4	1 Gbps or 10 Gbps	LC Fiber (SR & LR)	Standalone	IBPDUO-1X10-LR IBPDUO-2X10-LR IBPDUO-1X10-SR IBPDUO-2X10-SR
iBypass HD	Yes	Up to 8	10/100/1000 Mbps or 1GE	Copper RJ45 or Fiber (SX & LX)	Modular Chassis (up to 4 modules)	IBP-8000/IBP-8000-DC w/ DBM-100, DBM-200, DBM-250, DBM-300
iBypass 3	No	1	10/100/1000 Mbps	Copper	Standalone	I3BP-CU3

For more-detailed information on Keysight iBypass switches, visit:

<https://www.keysight.com/us/en/products/network-visibility/bypass-switches.html>



Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.

This information is subject to change without notice. © Keysight Technologies, 2019 - 2023, Published in USA, July 28, 2023, 7120-1167.EN