



IP Peering and Transit Product Overview

	IP Peering		IP-Transit		SCION
Product	IC-Peering (Zero Settlement)	Paid Peering	IP-Transit	IP-Transit Extended	SCION ISD Connect
Target group (AS-Type)	ISP (see Peering Policy)	ISP, CAP, Others	ISP, CAP, Others	ISP, CAP, Others	ISP
Access	Swisscom prefixes and customer routes only	Swisscom prefixes and customer routes only	Global Internet connectivity	Global Internet connectivity	Access to other SCION ISDs (Networks & participants)
Protocol	BGP - Partial Routes	BGP - Partial Routes	BGP - Full Routes	BGP - Full Routes	SCION
SAP	Neutral DC Swisscom DC/BBO	Neutral DC Swisscom DC/BBO	Neutral DC Swisscom DC/BBO	FTTO (OP)	Neutral DC
IC-Type	Private (PNI)	Private (PNI) Public-IX	Private (PNI)	Private (PNI)	Private (PNI) SCION VLAN on PNI SCION Peering Mesh
Ports/Profiles	10/100G/400G	10/100G/400G Flat, CDR/Burst (P95)	10/100G/400G Flat, CDR/Burst (P95)	10/100G Flat, CDR/Burst (P95)	10G Flat, CDR/Burst (P95)
On-Net Caching	Not available	Optionally available	Optionally available	Optionally available	Not available
DDoS Basic	Not available	Not available	Optionally available	Optionally available	Not available



Glossary

Abbreviation	Meaning
AS	Autonomous System
BBO	Broadband Office
BGP	Border Gateway Protocol
CAP	Content & Application Provider
CDR	Committed Data Rate
DC	Data Center
FTTO	Fiber to the Office
ISD	Isolated Domain
ISP	Internet Service Provider
OP	Optical Point
P95	95-Percentile
SAP	Service Access Point
SCION	Scalability, Control, and Isolation On Next-Generation Networks