



RADIFLOW PORTFOLIO: COMMUNICATION PORTS AND PROTOCOLS

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Radiflow portfolio – communication ports and protocols

1. The purpose of this document is to describe network ports and protocols required by Radiflow products and devices for normal operations.
2. Some of these ports should be allowed in firewall rules configuration depending on system and network topology.
3. Radiflow portfolio includes:
 - a. CIARA – OT cyber risk assessment and management platform
 - b. iSID – Industrial threat detection and network visibility system
 - c. iCEN – Central management system for multiple iSIDs
 - d. iSAP – Smart Collector device for traffic mirroring

4. CIARA Required ports/protocols

Port	Protocol	Source	Destination	Purpose
TCP/443	HTTPs	Operator/Administrator	CIARA	CIARA UI Management
TCP/443	HTTPs	iSID/CIARA	CIARA/iSID	iSID-CIARA 2-way API
TCP/22	SSH	Operator/Administrator	CIARA	CIARA Server CLI Management

5. iSID Required ports/protocols

Port	Protocol	Source	Destination	Purpose
TCP/443	HTTPs	Operator/Administrator	iSID	iSID UI Management
TCP/443	HTTPs	iSID/CIARA	CIARA/iSID	iSID-CIARA 2-way API
TCP/22	SSH	Operator/Administrator	iSID	iSID Server CLI Management
N/A	GRE -0x0047	Smart Collector (iSAP/iSEG)	iSID	1-way GRE-based traffic forwarding

6. iCEN Required ports/protocols

Port	Protocol	Source	Destination	Purpose
TCP/443	HTTPs	Operator/Administrator	iCEN	iCEN UI Management
TCP/22	SSH	Operator/Administrator	iCEN	iCEN Server CLI Management

7. iSID/iCEN Communications required ports/protocols

Port	Protocol	Source	Destination	Purpose
TCP/443	HTTPs	iCEN	iSID	iCEN-iSID 2-way API – monitoring and management
UDP/11999	Proprietary	iSID	iCEN	1-way aggregated data forwarding (monitoring only)

8. iSID/iCEN Optional ports/protocols

Port	Protocol	Source	Destination	Purpose
UDP/514	Syslog	iSID/iCEN	Syslog server	Sending events to SIEM/Control-center (port can be user-customized)
UDP/123	NTP	iSID/iCEN	NTP server	Clock synchronization
UDP/53 TCP/53	DNS	iSID/iCEN	DNS server	Domain name system – name resolution request
TCP/587	SMTP	iSID	SMTP server	Send events and alerts as email
UDP/161	SNMP	iSID	SNMP server	Sending SNMP Traps (iSID health moitoring)
TCP/389	LDAP	iSID/iCEN	Active Directory server	Authentication and authorization services

9. iSAP Smart Collector Required ports/protocols

Port	Protocol	Source	Destination	Purpose
TCP/22	SSH	Operator/Administrator	iSAP	CLI Management
	GRE - 0x0047	Smart Collector (iSAP/iSEG)	iSID	1-way GRE-based traffic forwarding