

iSAP RF-2180 Smart Collector



HIGHLIGHTS

- Aggregation and tunneling of monitored network traffic to the iSID Threat Detection System for analysis
- Three 1Gbit secure, passive and non-interfering Ethernet ports for incoming traffic
- Unidirectional transmission of mirrored network traffic through one-way link
- Compression of industrial protocols at 1:10 ratio
- Encrypted tunnel over the transport network
- Fit for harsh industrial environments

SEND ALL DATA TRAFFIC FROM REMOTE SITES TO A CENTRAL ISID THREAT DETECTION SYSTEM WITHOUT TAXING YOUR NETWORK

The iSAP Smart Collector is a cost effective, distributed solution that offers a network-wide view of all connected devices and all network traffic, for threat detection at a central site.

Increasing network coverage by means of passing traffic from remote networks to a central IDS may create network overload problems, due to the large volumes of data sent to the central IDS. Radiflow's iSAP Smart Collector solves this problem. Installed at each remote site, it receives all LAN traffic from the local switch (using port mirroring), and filters out much of the irrelevant traffic data, leaving intact the SCADA traffic (e.g. ModBus data).

iSAP helps reduce costs by requiring only one iSAP device for each remote network site. Each iSAP securely connects to a centrally located iSID Threat Detection server, where corporate-wide network and device activity is analyzed.

To further reduce bandwidth consumption, the iSAP Smart Collector uses Radiflow's patented compression algorithm reaching ratios of up to 1:10. Once received at the central location, the iSID server is able to decompress the sent data packets with no loss of information. The user is able

to set the amount of compression applied, if at all, to different data classes.

Radiflow iSAP is a versatile tool that can be deployed in any site, large and small, allowing for completely passive network coverage without modification of your existing infrastructure.



The iSAP Smart Collector is used in conjunction with Radiflow's iSID Industrial Threat Detection System

SPECIFICATIONS

PHYSICAL DESIGN

Mounting: DIN Rail/Wall Mount

Enclosure: Aluminum/Steel, Fanless, IP 30 rated

Weight: 500g

Dimensions: (mm) 110w x 90h x 30d

HARDWARE

CPU: Intel® Atom™ x5-E3940, 4-core, 1.6 GHz

RAM: 8 GB LPDDR4

Storage: 64GB

INTERFACES AND PORTS

3 x 10/100/1000BaseTX ports, RJ45 RS-232 (TX/RX/GND)

RS-485 auto-flow control on 8-pin Terminal Block

1 x USB 2.0

3 x USB 3.0

1 x Digital Input

1x Digital Output

1 x HDMI Port

ENVIRONMENTAL PARAMETERS

Operating temperature: -20oC to 60oC

Operating Humidity: 5%-95%

Certifications: CE, FCC, RoHS

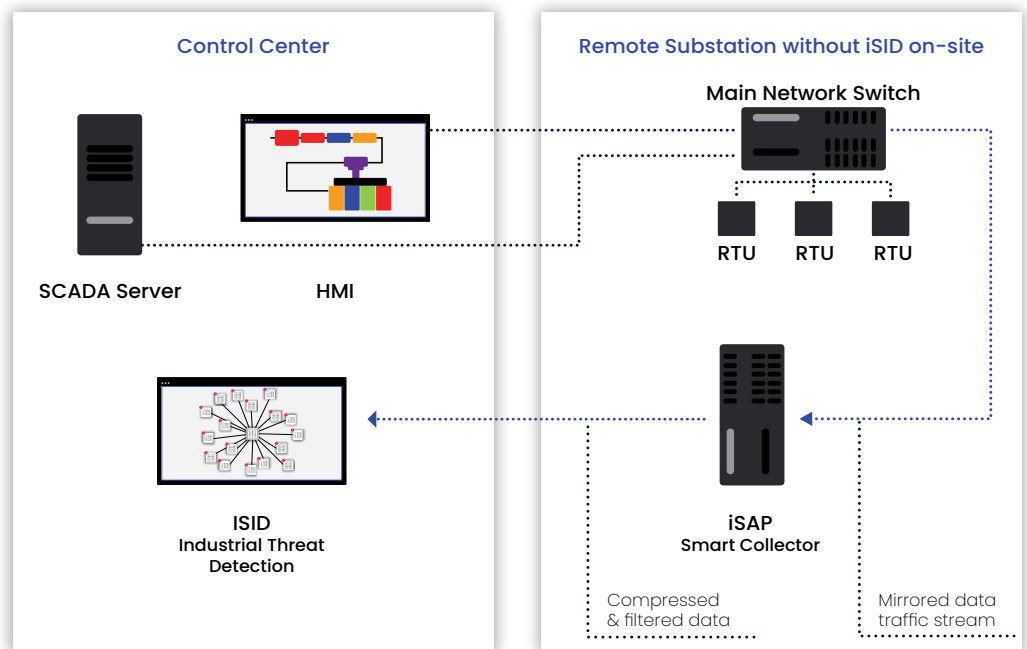
POWER SUPPLY

Power Supply (V DC): 12-24V

Connector: 4-pin Terminal Block with Power Switch Function

Typical Deployment

Deployment off a central iSID Industrial Threat Detection System using iSAP Smart Collectors at remote sites



About Radiflow

Radiflow is an OT Cyber Security company that develops unique tools to secure digital assets for the long term. The company works directly with Managed Security Service Providers to oversee the discovery and management of all relevant data security points. Founded in 2009, Radiflow has offices and partners in Europe, USA and APAC. Its' field-proven solutions are installed in over 6000 sites around the globe.

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