

# Industrial Control System and IT Protocols Support

As of April 2019

## Industrial Control System Expertise

Claroty's interdisciplinary team of analysts and researchers are domain experts who continuously track ICS-specific zero-days, global campaigns, and adversaries as well as reverse-engineer malware. Leveraging deep understanding of cybersecurity, OT-specific protocols and industrial control systems - our solutions deliver immediate value by protecting your plants, processes and operations from cyber threats.

## Multispectral Data Collection

Leveraging multispectral data collection methods, we provide 100% visibility into OT assets and network communications. Claroty safely extracts fine-grained details about the assets, communications and the actual OT conversations for both serial and IP-based networks - all the way down to the I/O level. This extreme visibility is achieved using a combination of the data collection capabilities including:

### Passive - continuous, real-time monitoring of OT networks

ABB Bailey • ABB DMS system • ABB HC800 (Infininet) • ABB Spirit • ABB Symphony Plus • ABB Totalflow  
Alstom E-Terra • BACNET • Beckhoff AMS • CC Link IE - Field • Cisco Discovery Protocol (CDP) • Citect HMI  
Cognex Discovery • Control Technologies Inc. (CTI) • Comtrol NS Link • CPHA (Checkpoint High Availability)  
Digi4 • Digi5 • DACP • DHCP • DNP3 • Emerson DeltaV • Emerson Ovation • Emerson ROC Plus • ETHERNET/IP  
Foxboro RTV • Foundation Fieldbus (FF) • Foxboro LLC • FTP - SEL • GE-ALM • GE Bentley Nevada (BNC3500)  
GE-EGD • GE-EGD-CMP • GE PAC8000 (AXE) • GE QuickPanel (TRAPI+HTTP) • GE SDI (MarkVie) • GE SDI Classic  
(MarkVie) • GE SRTP • Goose (IEC-61850) • HART-IP • HiDiscovery - Hirschmann LLC • Honeywell C200 - Ftebcip  
Honeywell Experion - CeeNTComm (C300, EHPM) • Honeywell EpicMo (C300 management) • Honeywell Firewall  
CF9 Hot Standby Router Protocol (HSRP) • HTTP • HTTP-XML (specific schemes) • IEC101 • IEC103 • IEC104  
Keyence Host-Link Communication • Keyence KV Studio • Keyence Logger • Kongsberg • Knapp • Lantronix Serial  
GW • Linux High Availability • LLDP • Microsoft DCE RPC • Microsoft DCE RPC - ABB DCS Service Manager  
Microsoft RDP • Microsoft NTLMSSP (Auth protocol) • Microsoft SAMR • Microsoft CIFS (SMB) Mitsubishi Melsec  
MNDP • MMS Modbus • MQTT • Modbus ScadaPack • Modbus Modsoft • Modbus Concept • Modbus Eltec  
Modbus Execload Modbus Schneider • NetBIOS Browser (UDP 138) • NetBios Datagram Service • Niagara Tridium  
(BMS) • Omniflow Flow computer • OPTO MMP • OSISoft PI • PCCC • Portwell • POP3 • ProConoS (TCP 20547)  
Profinet DCP • Profinet I/O Profinet Real-Time • RTCP • RCDP • Redlion Crimson • Rockwell CIP • Rockwell PCCC  
S7Comm Plus • Siemens FWL LOAD (firmware upload) • Siemens P2 • SLMP (CC Link IE Field Basic) • SNMP, SSH  
Synchrophasor • Telnet- DeltaV Telnet- Moxa • Telnet- Omniflow • Telnet - Hirschmann • Telnet- SEL • TFTP  
Triconex Tristation • Triconex TSAA Yokogawa VNET (VHF) • Yokogawa odeg

### Active - precise, periodic queries of OT assets

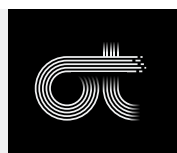
BACnet • Beckhoff • B&R Query/Profile • Cisco Profile • CIP • DNP3 • ENIP Query/Scan  
Hirschman Discovery Query/Scan • Hirschman Profile • HTTP Query • Modbus Information Object • MS Net Bios  
Net Bios • Profinet - DCP Query/Scan • Ping Sweep • Rockwell Profile • Schneider Unity Query • Siemens Profile  
Siprotec 5 • S7comm • SNMP Query/Scan • SNMP Siprotec 5 • Telnet • TCP Port Scan • Windows Profile • WMI

### App DB - targeted periodic enrichment of OT asset data

ABB - AC800M • Emerson DeltaV • GE Proficy Machine Edition • GE PacsAnalyzer • Honeywell - Experion  
Honeywell - EHPM • Rockwell - MicroLogix • Rockwell RSLogix 500 /5000 • Rockwell RS System Ferret  
Rockwell - Advance • Rockwell - ICSTriplex • Schneider - Modicon • Quantum • Concept • Siemens - Step7  
Schneider Triconex - Tristation • Siemens - Digi4/Digi5 • Yokogawa - CentumVP/CS3000 • Yokogawa - ProsaferS

## Broad Support for Industrial Control Systems and ICS / IT Protocols

Claroty has made a multi-million-dollar investment into the most extensive ICS lab in the industry ensuring your systems continue to have the best protection available now and in the long haul.



Claroty was conceived to secure the safety and reliability of industrial control networks that run the world from cyber-attacks. The Claroty Platform is an integrated set of cyber security products that provides extreme visibility, unmatched cyber threat detection, secure remote access, and risk assessments for industrial control networks (ICS/OT).

[www.claroty.com](http://www.claroty.com)

[contact@claroty.com](mailto:contact@claroty.com)



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