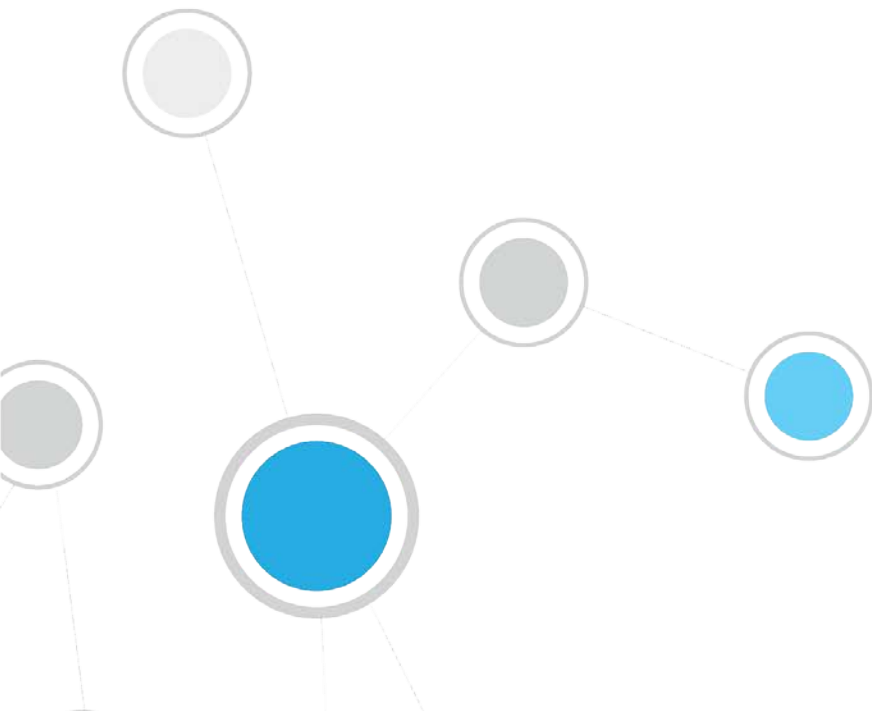




# CounterACT<sup>®</sup> Device Profile Library Plugin

Configuration Guide

Version 1.0.0

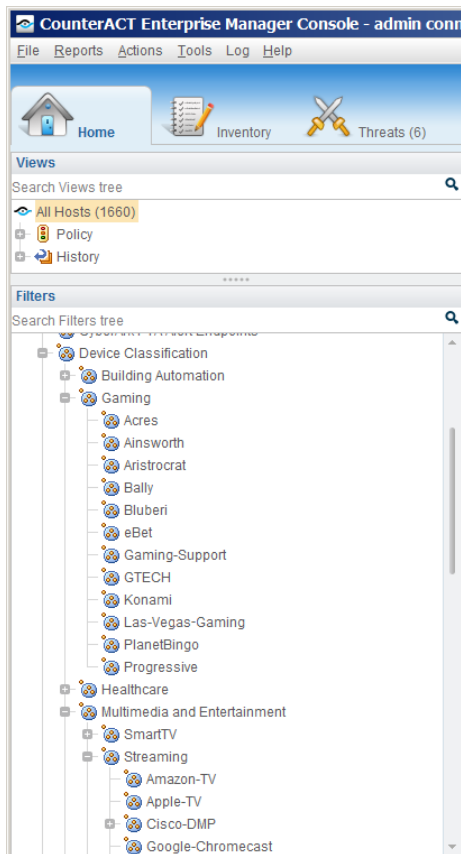


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# Device Profile Library Plugin Overview

The CounterACT® Device Profile Library Plugin helps customers classify non-traditional IT devices that are detected in their network. The plugin provides simple-to-use policy templates that let you automatically group these devices into predefined *Device Classification* groups, such as elevators, x-ray machines and IP cameras. The created groups are displayed in the CounterACT Home, Filters pane.



After IoT Classification policies are created, you can define additional policies for these groups.

## Use Cases

This section describes important use cases supported by this plugin.

### Inventory the Connected Devices

Non-traditional IT devices detected on the network are automatically grouped according to their device functionality. These groups are generated when the user creates policies using the IoT Classification policy templates for the relevant industry profiles, such as Healthcare or Office Devices. The user can modify the templates to create profile groups of connected devices having a more specific functionality, such as IP cameras only.

## Classify More Devices

After using the traditional network function classification, the user runs policies created from the IoT Classification policy templates on the devices still unclassified. The policies can classify many of the previously unclassified devices.

## How It Works

This plugin uses policies to detect endpoints having specific profiles, and adds these devices to their respective groups.

## What to Do

You must perform the following to work with this plugin:

1. Verify that you have met system requirements. See [CounterACT Software Requirements](#).
2. [Install the Plugin](#).
3. [Run the IoT Classification Policy Templates](#).

## CounterACT Software Requirements

The plugin requires the following CounterACT releases and other CounterACT components:

- CounterACT version 7.0.0
- An active Maintenance Contract for CounterACT devices
- Service Pack 2.0.3 or above. It is recommended to install the latest service pack to take advantage of the most current CounterACT updates.
- HPS Inspection Engine version 10.4.0.1 or above
- DHCP Classifier Plugin version 2.0.5 or above
- HPS NIC Vendor DB version 1.2.0 or above
- HPS Applications Plugin version 2.1.3 or above
- Macintosh/Linux Property Scanner Plugin version 7.0.1 or above
- Switch Plugin version 8.9.3 or above

## Install the Plugin

This section describes how to install the plugin.

### To install the plugin:

1. Navigate to the [Customer Support, Base Plugins](#) page and download the plugin `.fpi` file.
2. Save the file to the machine where the CounterACT Console is installed.
3. Log into the CounterACT Console and select **Options** from the **Tools** menu.
4. Select **Plugins**. The Plugins pane opens.
5. Select **Install**. The Open dialog box opens.
6. Browse to and select the saved plugin `.fpi` file.
7. Select **Install**.
8. An installation or upgrade information dialog box and a license agreement dialog box will open. Accept the license agreement to proceed with the installation.
9. Once the installation is complete, select **Close**. The plugin is listed in the Plugins pane.

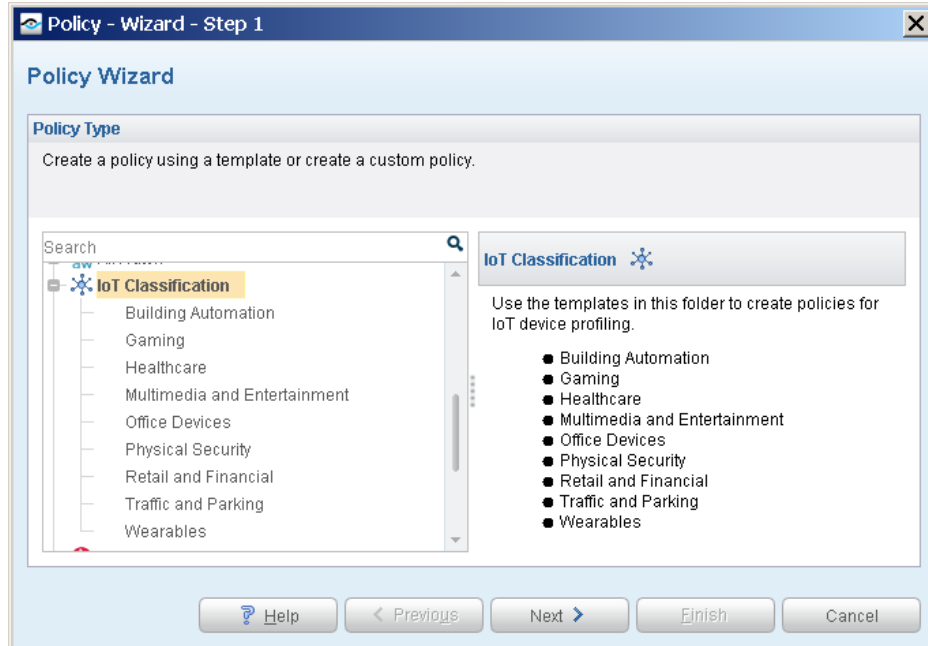
## Configure the Plugin

This plugin does not require any configuration.

## Run the IoT Classification Policy Templates

Use the **IoT Classification** policy templates to classify detected non-traditional IT devices into the *Device Classification* groups based on the device information provided by CounterACT. See [Appendix A: Device Classification Groups](#) for the detailed list of all the detected profiles within the following categories:

- [Building Automation](#)
- [Gaming](#)
- [Healthcare](#)
- [Multimedia and Entertainment](#)
- [Office Devices](#)
- [Physical Security](#)
- [Retail and Financial](#)
- [Traffic and Parking Management](#)
- [Wearables](#)



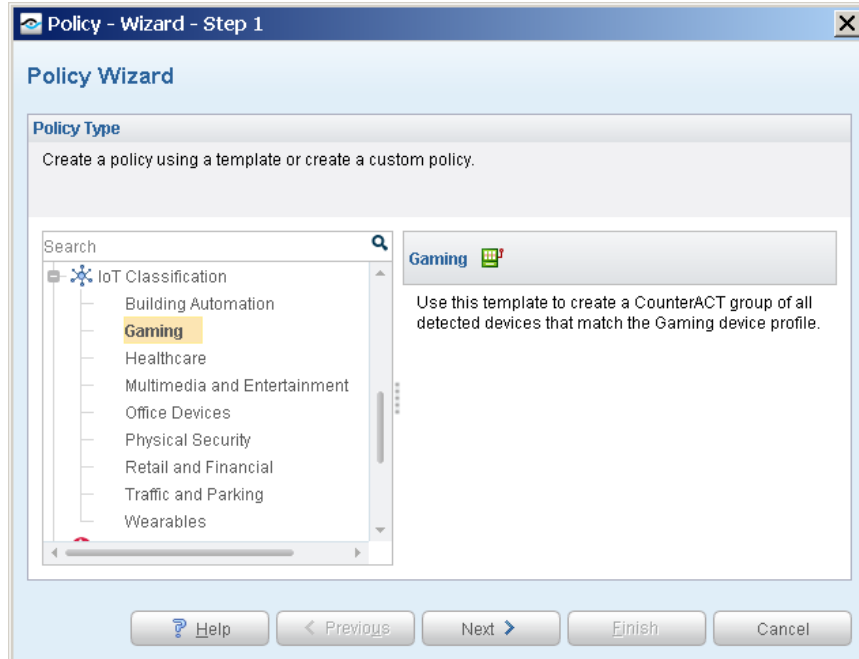
Before applying the templates, it is recommended that you have a basic understanding of CounterACT policies. For more information about creating custom policies, see the CounterACT Templates and Policy Management chapters in the *Console User Guide*.

## Create an IoT Classification Policy

This section describes how to create a policy from any of the policy templates provided by this plugin.

### To create an IoT Classification policy:

1. Log in to the CounterACT Console and select the **Policy** tab.
2. Select **Add** from the Policy Manager. The Policy Wizard opens.
3. Expand the IoT Classification folder and select one of the device profiles. The template pane opens.

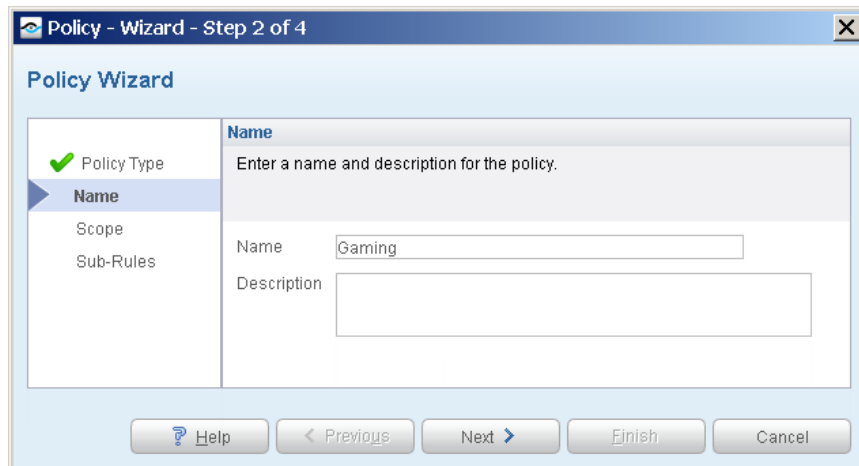


4. Select **Next**. The Policy Name dialog box opens.

### Name the Policy

The Name pane lets you define a unique policy name and useful policy description. Policy names appear in the Policy Manager, the Views pane, NAC Reports and in other features. Precise names make working with policies and reports more efficient.

1. Define a unique name for the policy you are creating based on this template, and enter a description (optional).



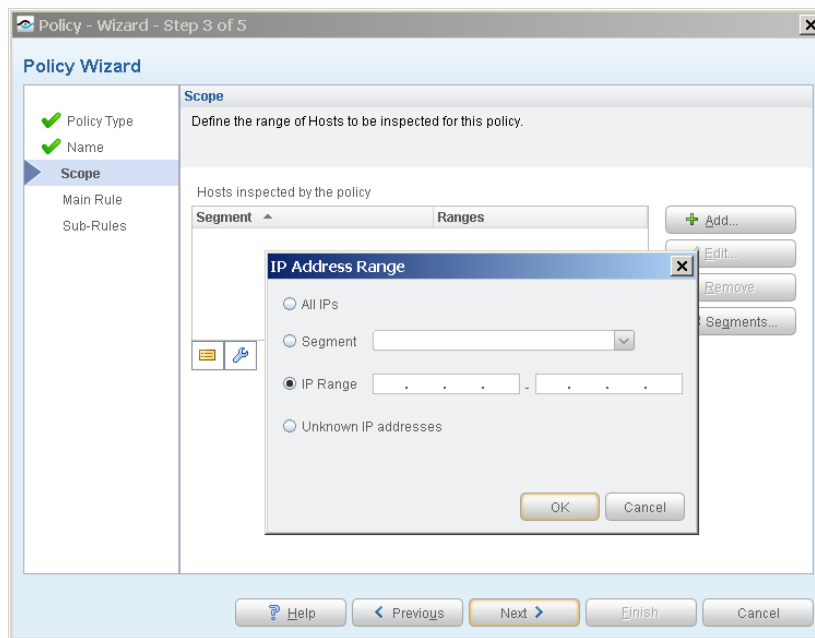
### Naming Tips

- Make sure names are accurate and clearly reflect what the policy does. For example, do not use a generic name such as My\_Policy.


- Use a descriptive name that indicates what your policy is verifying and which actions will be taken.
  - Ensure that the name indicates whether the policy criteria must be met or not met.
  - Avoid having another policy with a similar name.
2. Select **Next**. The Scope pane and IP Address Range dialog box opens.

### Define Which Hosts Will Be Inspected - Policy Scope

The Scope pane and IP Address Range dialog box let you define a range of endpoints to be inspected for this policy.



3. Use the IP Address Range dialog box to define which endpoints are inspected. The following options are available for defining a scope:
  - **All IPs**: Include all addresses in the Internal Network. The Internal Network was defined when CounterACT was set up.
  - **Segment**: Select a previously defined segment of the network. To specify multiple segments, select **Cancel** to close the IP Address Range dialog box, and select **Segments** from the Scope page.
  - **IP Range**: Define a range of IP addresses. These addresses must be within the Internal Network.
  - **Unknown IP addresses**: Apply the policy to endpoints whose IP addresses are not known. Endpoint detection is based on the endpoint MAC address.

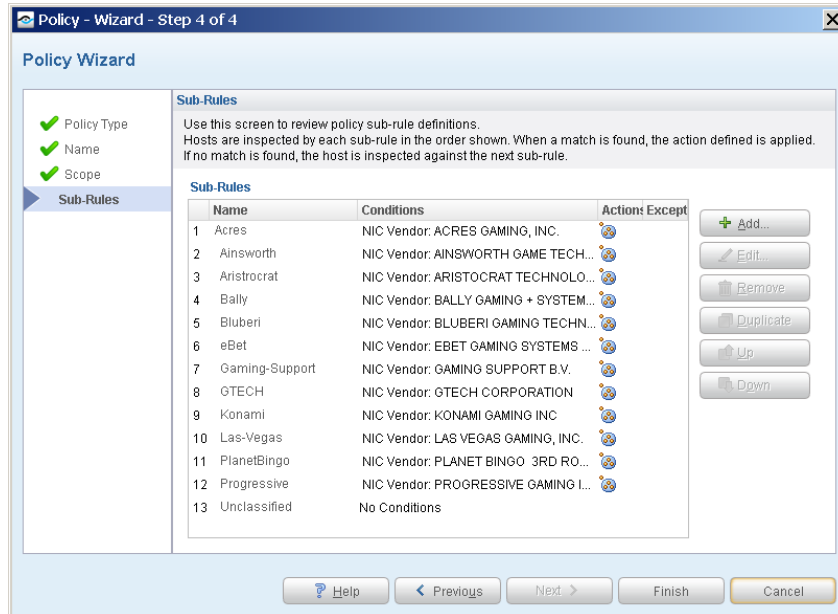
 *Filter the range by including only certain CounterACT groups and/or by excluding certain endpoints or users or groups when using this policy.*
4. Select **OK**. The added range appears in the Scope pane.
5. Select **Next**. The Sub-Rules pane opens.



## Sub-Rules

Sub-rules allow you to streamline separate detection and actions into one automated sequence.

Sub-rules are performed in order until a match is found. The sub-rules of this policy detect endpoints that match specific profiles. Actions add these devices to their respective groups. These actions are enabled by default.




6. Select **Finish** to create the policy.
7. On the CounterACT Console, select **Apply** to save the policy.

## Create Custom Policies

CounterACT policy tools provide you with an extensive range of options for detecting and handling endpoints. You can use a policy to instruct CounterACT to apply actions to endpoints that match conditions based on *IoT Devices* groups.

### To create a custom policy:

1. Log in to the CounterACT Console.
2. On the Console toolbar, select the **Policy** tab. The Policy Manager opens.
3. Select **Add** to create a policy.

 For more information about working with policies, select **Help** from the policy wizard.

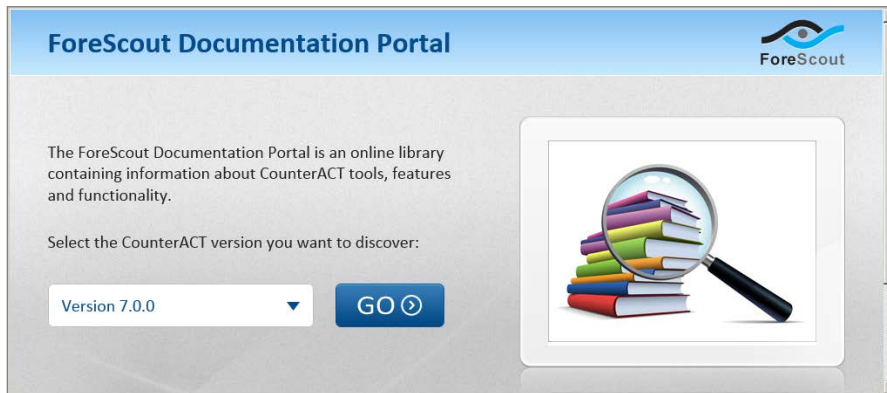
## Additional CounterACT Documentation

For more detailed information about the CounterACT features described here or additional CounterACT features and modules, refer to the following resources:

- [Documentation Portal](#)
- [Customer Support Portal](#)
- [CounterACT Console Online Help Tools](#)

## Documentation Portal

The ForeScout Documentation Portal is a Web-based library containing information about CounterACT tools, features and functionality and integrations.



### To access the Documentation Portal:

1. Go to [www.forescout.com/kb](http://www.forescout.com/kb).
2. Use your customer support credentials to log in.
3. Select the CounterACT version you want to discover.

## Customer Support Portal

The Customer Support Portal provides links to CounterACT version releases, service packs, plugins and modules as well as related documentation. The portal also provides a variety of How-to Guides, Installation Guides and more.

### To access the Customer Support Portal:

1. Go to <https://updates.forescout.com/support/index.php?url=counteract>.
2. Select the CounterACT version you want to discover.

## CounterACT Console Online Help Tools

Access information directly from the CounterACT Console.

### ***Console Help Buttons***

Use context sensitive *Help* buttons to quickly access information about the tasks and topics you are working with.

### ***Console User Manual***

Select **CounterACT Help** from the **Help** menu.

### ***Plugin Help files***

1. After the plugin is installed, select **Options** from the **Tools** menu and then select **Plugins**.
2. Select the plugin and then select **Help**.

### ***Documentation Portal***

Select **Documentation Portal** from the **Help** menu.

## Appendix A: Device Classification Groups

Policies add non-traditional IT devices connected to your network to the following *IoT Devices* groups.

- [Building Automation](#)
- [Gaming](#)
- [Healthcare](#)
- [Multimedia and Entertainment](#)
- [Office Devices](#)
- [Physical Security](#)
- [Retail and Financial](#)
- [Traffic and Parking Management](#)
- [Wearables](#)

### **Building Automation**

This group includes the following device profiles:

#### *Building Automation - General*

- Automated-Logic
- Crestron
- Grundfos
- Honeywell-Building
- Hubbell

- Johnson-Controls
- Legrand
- Myson
- Netatmo
- Schneider-Electric
- Siemens-Building

#### *Elevators and Escalators*

- Computerized-Elevator-Control
- OTIS
- Schindler
- ThyssenKrupp

#### *Environment Monitoring*

- AVTECH

#### *Lighting*

- Advanced-Illumination
- Andersen-Lighting
- Diamante
- Digital-Lighting-Systems
- ELC-Lighting
- enLighted
- Leedarson
- LightDec
- Lighting-Science-Group
- Luminex
- MA-Lighting
- Mode-Lighting
- Philips-Lighting
- Olight
- ROBE
- SGM-Technology
- Strand
- Synergy-Lighting-Controls

## Gaming

This group includes the following device profiles:

- Acres
- Ainsworth
- Aristocrat
- Bally
- Bluberi
- eBet
- Gaming-Support
- GTECH
- Konami
- Las-Vegas-Gaming
- NOVOMATIC
- PlanetBingo
- Progressive
- Scientific-Games

## Healthcare

This group includes the following device profiles:

### *Electronic Healthcare Records*

- CliniComp

### *Healthcare - General*

- 3M
- AAEON-Technology
- Abbott
  - Abbott-Point-of-Care
  - Abbott-Diagnostics
  - Abbott-Optics
- ACIST-Medical-Systems
- Acteon-Group
- Advance-Sterilization-Products
- Advantage-Pharmacy
- Aeroscout
- Alcon-Laboratories
- Alpinion-Medical-Systems

- AmbiCom
- American-Telecare
- Andon-Health
- Applied-Biosystems
- Avizia
- B-Braun-Melsungen
- Bang-Olufsen-Medicom
- Baxter-Healthcare
- Beacon-Medical
- Beckman-Coulter
- Bestcare-Cloucal
- Bio-logic-Systems
- Bio-Rad-Lab
- Biodevices
- bioMerieux-Italia
- Bionet
- BIOPAC-Systems
- Biosoundlab
- Biospace
- Biotronik
- BMT-Medical-Technology
- Boston-Scientific
- C8-MediSensors
- Calypso-Medical
- Camtronics-Medical-Systems
- CardioNet
- Cardiopulmonary-Corp
- CardioTek
- CareCom
- CareFusion
- CarePredict
- Carestream-Health
- CareTech
- CareView-Communications
- Celectronic-eHealth

- Centrak
- CHG-Hospital-Beds
- CirTec-Medical
- CIRTEC-Medical-Systems
- Cerner
- Cogent-Healthcare-Systems
- Colorado-Med-Tech
- Compex
- Compumedics
- Conmed-Linvatec
- Corometrics-Medical-Systems
- Criticare-Systems
- Cutera
- Dainippon-Pharma
- Danaher-Motion-Kollmorgen
- Datex-Ohmeda
- DENTSPLY-Gendex
- Diatek-Patient-Management
- Dictum-Health
- Digiboard
- Dixtal-Biomedica
- Draeger
- Dragerwerk
- Durr-Dental
- Edwards-Lifesciences
- Essilor
- Fisher-Paykel
- Fresenius-Medical-Care
- Fuji
- Fukuda-Denshi
- Gambro-Lundia
- GE-Medical
  - GE-Medical-System
  - GE-Healthcare
- Getinge

- GN-ReSound
- Health-Advice-Monitors
- Health-Hero
- Health-Life
- HealthStream
- HemoCue
- Heraeus-Noblelight
- Hitachi-Aloka-Medical
- Hoana-Medical
- Honeywell
  - Honeywell-HomMed
- HORIBA-Medical
- Hospira
- Huntleigh-Healthcare
- Imatron
- Indiana-Life-Sciences
- InnerSpace
- INSidE-Technology
- Integrated-Medical-Systems
- Intel-GE-Care-Innovations
- Interacoustics
- Invivo
- Ivoclar-Vivadent
- Ivy-Biomedical
- Johnson-Johnson-Medical
- Karl-Storz-Imaging
- KaVo-Dental
- KeyMed
- Kodak-Radiology
- Kollmorgen
  - Kollmorgen-Servotronix
  - Kollmorgen-Corp
- Kontron-Medical
- LABiTec
- Laerdal-Medical



- Leica-Microsystems
- LI-COR-Biosciences
- LifeSync
- LRE-Medical
- Maquet
  - Maquet-GmbH
  - Maquet-Cardiopulmonary
  - Maquet-Critical-Care
  - Maquet-CardioVascular
- Marconi-Medical-Systems
- Masimo
- Medicis
- Medcore
- Medrad
- Medtronic-Diabetes
- Mennen-Medical
- Micropoint-Biotechnologies
- Mindray
- MIR
- MOCACARE
- Moleculars-Corp
- Mortara-Instrument
- NDS-Surgical-Imaging
- Neural-Image
- Nicolet
  - Nicolet-Neuro
  - Nicolet-Instruments
- Nihon-Kohden
- Nipro-Diagnostics
- Nonin-Medical
- Novo-Nordisk
- Olympus
  - Olympus-Soft-Imaging
  - Olympus-Image-Systems
- Omron-Healthcare
- Onyx-Healthcare

- Optimedical-Systems
- ORTHOsoft-Zimmer-CAS
- Ortivus-AB-Medical
- Oticon
- Pacific-Biosciences
- PaloDEX
- Palomar
- Panasonic-Healthcare
- Pharma-Smart
- Philips-Medical
  - Philips-Respironics
  - Philips-CareServant
  - Philips-Healthcare-PCCI
  - Philips-Oral-Healthcare
- Phonak-Communications
- Physio-Control
- Physiometrix
- Planmeca-Oy
- Progeny-Midmark
- Proteus-Digital-Health
- ResMed
- RF-Surgical-System
- Robert-Bosch
- Roche-Diagnostics
- ScottCare
- Secure-Care
- SenTec
- Senticare
- Shenzhen-Lifesense-Medical
- Shimadzu
- SHL-Telemedicine
- Siemens
  - Siemens-Healthcare-Diagnostics
  - Siemens-AG-Healthcare-Sector
- Sigma
- Sirona-Dental-Systems

- Smiths-Medical
- SonoSite
- Spacelabs-Healthcare
- Spectrum-Medical-Limited
- Starkey-Labs
- Stratec-Biomedical
- Stryker
- Tecan-Systems
- Terumo
- Thermo-Fisher-Scientific
- Thoratec
- Tiba-Medical
- Tokyo-Boeki-Medisys
- Toyo-Medic
- tPlus-Medical
- Trendsetter-Medical
- Tunstall-Healthcare
- Varian-Medical-Systems
- Versamed
- Verto-Medical
- VIASYS-Healthcare
- Vigil-Health-Solutions
- Vocera
- Welch-Allyn
- Widex
- Zimmer-Elektromedizin
- ZOLL-Lifecor
- Advanced-Medical-Information
- Applied-Medical-Technologies
- Arkray
- Axis-Shield-PoC
- Becton-Dickinson
- Biotage
- BL-Healthcare
- CardioMEMS

- Care-Everywhere
- Convergent-Bioscience
- Ellex-Medical
- Fluke-Biomedical
- Gem-Med
- Getinge-IT-Solutions
- Getinge-Sterilization
- Haag-Streit
- Heart-Forece-Medical
- Imricor-Medical-Systems
- Innomed-Medical
- Integra-Biosciences
- Integra-LifeSciences
- Intuitive-Surgical
- Jostra
- Leica-Biosystems
- Medav
- MedAvant-Healthcare
- Mediana
- Pointe-Conception-Medical
- Power-Medical-Interventions
- Quantum-Medical-Imaging
- Radiometer-Medical
- Resurgent-Health-Medical
- Soredex
- Sphere-Medical
- St-Jude-Medical
- Valtronic
- VitalCare
- West-Com-Nurse-Call
- Zoe-Medical

#### *Infusion Pumps*

- Alaris
  - Alaris-Medical-Systems
- CareFusion-Alaris-Pump

### *Patient Monitors*

- Draeger-Delta
- Draeger-M300
- Philips-Patient-Monitoring

### *Ultrasound*

- Siemens-Acuson-Ultrasound
- Sonosite-MicroMaxx-Ultrasound

### *X-Ray*

- Medison-X-Ray
- Philips-Analytical-X-Ray

## **Multimedia and Entertainment**

This group includes the following device profiles:

### *SmartTV*

- Vizio

### *Streaming*

- Amazon-TV
- Apple-TV
- Cisco-DMP
  - Cisco-DMP-4305
  - Cisco-DMP-4310
  - Cisco-DMP-4400
- Google-Chromecast
- Roku
- Sonos
- Tivo

### *Video Gaming*

- Nintendo-WII
- Ouya
- Sony-PlayStation
  - Sony-PS3
  - Sony-PS4
- XBOX

## Office Devices

This group includes the following device profiles:

### *Printing Devices*

- Brother
- Canon-Printer
- Datamax-Printer
- Epson
- HP-Printer
- Konica
- Lexmark
  - Lexmark-Printer-E260dn
- Xerox-Printer-Phaser3250

### *Projectors*

- Epson-Projector
- NEC-Projector

### *VoIP*

- Aastra
- Avaya-IP-Phone
- Barix
- Cisco-IP-Phone
  - Cisco-IP-Conference-Station-7936
  - Cisco-IP-Conference-Station-7935
  - Cisco-IP-Conference-Station-7937
  - Cisco-IP-Phone-DX80
  - Cisco-IP-Phone-7925
  - Cisco-IP-Phone-7945G
  - Cisco-IP-Phone-7975
  - Cisco-IP-Phone-8831
  - Cisco-IP-Phone-8841
  - Cisco-IP-Phone-8851
  - Cisco-IP-Phone-8861
  - Cisco-IP-Phone-DX70
  - Cisco-IP-Phone-7921
- Lifesize
  - Lifesize-Phone
- MitelCorp
- Nortel-IP-Phone--Series

- Polycom
- Tadiran-IP-Phone
- Shoretel
- Unify

## Physical Security

This group includes the following device profiles:

### *Access Control System*

- ASSA-ABLOY
- Bosch-Access-Control
- HID
  - OMNIKEY-Card-Reader
- Kaba

### *Intrusion Detection*

- Magal
- Visonic

### *License Plate Recognition*

- Zamir

### *Physical Security - General*

- AUTEC
- Avigilon
- Axis
- Bosch-Security
- Dahua
- Genetec
- GeoVision
- Honeywell-Security
- Nedap
- S2-Security
- UTC
- Vicon

### *Surveillance*

- IP Camera
  - Axis-Network-Camera
  - Cisco-Surveillance-Camera

- HikVision-Camera
- iStar-Camera
- Nest-Camera
- Panasonic-Camera
- Trendnet-Camera
- TVT-Camera
- Surveillance - General
  - ACTi
  - Arecont
  - Aventura
  - Basler
  - Bosch-VCS
  - Dedicated-Micro
  - DVTel
  - Dynacolor
  - GKB
  - Grandeye
  - HikVision
  - Honeywell-Video-System
  - Infinova
  - ioImage
  - IQinVision
  - KingTek
  - Lorex
  - March-Networks
  - Mobotix
  - Multivision
  - Novus-Security
  - Pelco
  - Redvision
  - Samsung-Techwin
  - Sentry-360
  - SightLogix
  - Siqua
  - Stardot
  - Sur-Gard-Security
  - Truen
  - Uniview
  - Verint
  - VideoIQ
  - Vivotek



## Retail and Financial

This group includes the following device profiles:

### *ATM*

- Hess
- Nixdorf
- Siemens-Nixdorf
- Wincor-Nixdorf

### *Cash Drawers*

- APG
- CashGuard
- Cashmaster
- Gunnebo

### *POS*

- Diebold
- Ingenico
- New-POS-Technology
- ShopperTrak
- Verifone
- Vectron

### *Retail and Financial - General*

- Cash-Systems
- CCV-Deutschland
- Japan-Cash-Machine
- NCR

### *Vending*

- Maas
- Shibaura-Vending
- VendNovation

## Traffic and Parking Management

This group includes the following device profiles:

### *Parking Management*

- Beckmann-Parking
- Highlight-Parking
- Parking-BOXX

- WPS-Parking

#### *Traffic and Parking Management - General*

- SWARCO-Traffic
- TPA

#### *Traffic Management*

- CA-Traffic
- Diamond-Traffic
- Eagle-Traffic-MoboTrex
- Global-Traffic
- Golden-River-Traffic
- LACROIX-Traffic
- McCain-Traffic
- Peek-Traffic
- Safetran-Traffic
- Sensys-Traffic
- Traffic-Network-Solutions
- TrafficCast
- Tyco-Traffic

## **Wearables**

This group includes the following device profiles:

#### *Activity Trackers*

- Fitbit

#### *Headphone and Speaker*

- Beats

#### *Smartwatch*

- Apple-Watch
- Fossil
- Pebble
- Tag-Heuer

#### *Wearables - General*

- Adidas
- Nike
- Polar-Electro

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