Checkpoint®

INVENTORY CONTROL SOLUTIONS

e-Brochure 2019

ELECTRONICS

When installed to our specifications, our EAS systems provide the best performance in the industry. Checkpoint's world class range of detection systems have been designed to meet retailers' product protection, operational and store environment needs.

Classic

Trusted Checkpoint detection with no frills and extras, with a range of designs suitable for local and regional retailers demanding simple RF EAS benefits.

Evolve

Well proven and respected, our EVOLVE range includes various upgrades such as people counting, metal detection, RFID upgrades and ad panels.

neo

Best in class, revolutionary technology that drives exceptional detection performance, ease of installation and integrated wireless connectivity – setting new standards for the industry, housed in award winning designs to exceed retailer expectations.

WIRAMA RADAR inside

Wirama Radar uniquely delivers unprecedented accuracy and context in reporting the location, direction and movement of RFID tagged merchandise in a three-dimensional view. Wirama Radar is able to determine if an apparel item is simply hanging nearby an exit door, or potentially being stolen.

To create something unique that compliments the overall vison of your brand and store concept, Checkpoint's High Performance Personalisation service uses the latest state of the art software tools and large format 3D printers to quickly create full size design concepts. Our in-house design team works with you to deliver the perfect the design powered by the above electronics of choice.

SAFETY & CERTIFICATION

FIFTY YEARS OF INGENUITY

50

We care passionately about our products and customers, as much as you do about yours. Our electronics are sold across the world in over 60 countries and we need to ensure we meet every global, regional and local regulatory requirement. During the development of any new EAS antenna Checkpoint ensures a very rigorous set of health and safety standards are met or exceeded.

Regulatory testing of our equipment forms a large portion of any R&D investment when we develop a new product. We pride ourselves in the build quality and consumer safety of our antennas. Retail environments vary greatly, we ensure that our antenna frames are robust enough to withstand the toughest environments, and are engineered that if extreme stress occurs, damage and risk of injury is minimised.

Power and RF output regulation: Human Emissions exposure, EMC output, RF regulatory outputs and electrical safety are all tested and approved before we launch any electrical equipment, and most important of these is RF emissions.

Crash Test: To understand the results of an impact we test the frame strength limits from various angles and measured forces, to ensure they remain intact. Only when we are satisfied that they are more than robust enough do we pass the design for production.

Pull strength test: Should our antenna come under pressure for a longer duration, we want to ensure that if it does break, it does so in the safest way possible to minimise possible injury. Our antenna is designed to gently deform at set points in the design if a weight limit is exceeded, just like a car is designed to crumple in order to safeguard the occupants. No shattered antenna, or injured shoppers.

CLASSIC
RF Range

Checkpoint

Trusted Checkpoint detection with no frills and extras, with a range of designs suitable for local and regional retailers demanding simple RF EAS benefits.

The CLASSIC combines excellent detection with attractive design for in-store security. Ideal for retailers who are looking for simple but effective deterrent and detection in their stores.

The CLASSIC antenna can fit perfectly into any environment, without impacting the customer shopping experience, offering attractive simplicity without the compromise on detection levels.

CLASSIC RANGE 2019 OPTIONS	PLUS / QX	TREND / PX	STREET	STYLE
Integrated Metal / Magnet Detector	○	●	●	●
Integrated Metal Detector	○	●	●	●
Integrated Dual Color LED'S [1]	○	○	○	●
Advertising Panels	○	○	Inc.	○
EAS Jammer Detection	●	●	●	●
Max Aisle Width (410 label)	1.6m	2.0m	1.8m	1.8m

PLUS/QX   TREND/PX   STREET   STYLE

Component Key: **Inc.** = Included as Standard   ● = Option Available   ○ = Not Available

1. Dual LED's for Style allow for one color to be permanently lit, changing to an alternative when in alarm condition.
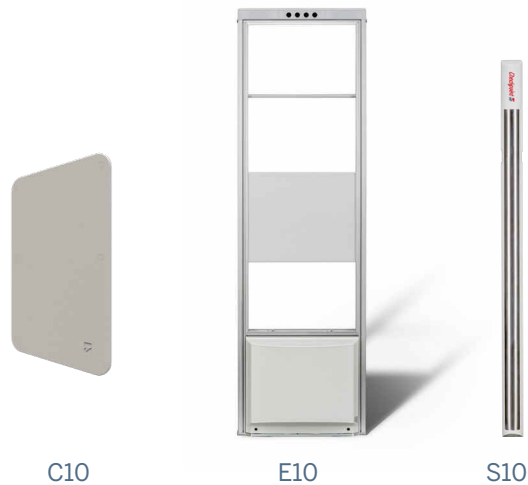
Classic

Evolve™

S20

EVOLVE
RF/RFID Range

Checkpoint

Well proven and respected, our EVOLVE range of antennas out performs all other RF suppliers when it comes to detection. Protecting your investment, the range includes various integrated upgrades such as people counting, metal detection, RFID and ad panels.

Designed to be flexible around the dynamic needs of the retail industry, the EVOLVE range of antennas offer multiple data management and remote service options with EVOLVE-Store connectivity options. For retailers wanting Inventory control as well as Loss Prevention, certain antenna's in our range offer practical migration of EAS and RFID.

C10   E10   S10

Evolve

EVOLVE RANGE 2019 OPTIONS	E10	C10	S10
Integrated People Counter	●	○	●
RFID Reader Upgrade Kit	● (green)	○	○
Integrated Metal/Magnet Detector	●	○	○
Advertising Panels	●	○	○
EAS Jammer Detection	●	●	●
Integrated Dual Color LED's [1]	●	○	○
Smart Alarm Management [2]	●	○	●
Remote Service Capable	●	●	●
Dual Frequency (8.2mhz & 9.2/9.5mhz)	●	●	●
Max Aisle Width (410 label)	2.0m	1.0m	1.8m

Component Key: **Inc.** = Included as Standard   ● = Option Available   ○ = Not Available   ● = RFID Available

1. Dual LED's for E10 allow for one color for RF-EAS alarms and an alternative color for RFID-EAS alarms.

2. For Smart Alarm Management (custom alarms based on tag direction), a VisiPlus People Counter is required.

EVOLVE
RF/RFID Range

Checkpoint

P10

P20

N10

F10

EVOLVE RANGE 2019 OPTIONS	P10/20	N10	F10
Integrated People Counter	●	○	○
RFID Reader Upgrade Kit *P10 Only	● (green)	○	○
Integrated Metal/Magnet Detector	●	○	○
Advertising Panels	●	○	○
Integrated EAS Jammer Detection	●	●	●
Integrated Dual Color LED's	○	○	○
Smart Alarm Management	●	○	●
Remote Service Capable	●	●	●
Dual Frequency (8.2mhz & 9.2/9.5mhz)	○	○	●
Max Aisle Width (410 label)	2.0m/ 1.8m	1.2m	1.0m above floor

Component Key: **Inc.** = Included as Standard   ● = Option Available   ○ = Not Available   ● = RFID Available
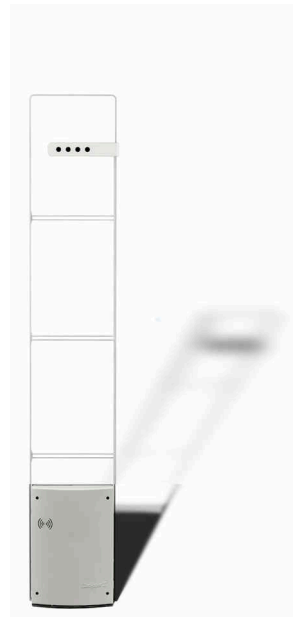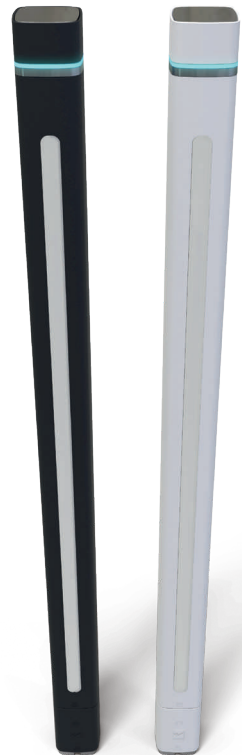
Evolve

EVOLVE
RF/RFID Range

Checkpoint

P30　　　　G10　　　　G35

EVOLVE RANGE 2019 OPTIONS	P30	G10	G35
Integrated People Counter	●	○	●
RFID Reader Upgrade Kit	○	●	●
Integrated Metal/Magnet Detector	○	●	●
Advertising Panels	Inc.	○	○
EAS Jammer Detection	●	●	●
Integrated Dual Color LED's [1]	○	●	●
Smart Alarm Management [2]	●	○	●
Remote Service Capable	●	●	●
Max Aisle Width (410 label)	1.8m	2.0m	1.8m

Component Key:　**Inc.** = Included as Standard　● = Option Available　○ = Not Available　● = RFID Available

1. Dual LED's for G10/G35 allow for one color to be permanently lit, changing to an alternative when in alarm

2. For Smart Alarm Management (custom alarms based on tag direction), a VisiPlus People Counter is required.

Evolve

EVOLVE
RF Range

Checkpoint

S20
Standard color options
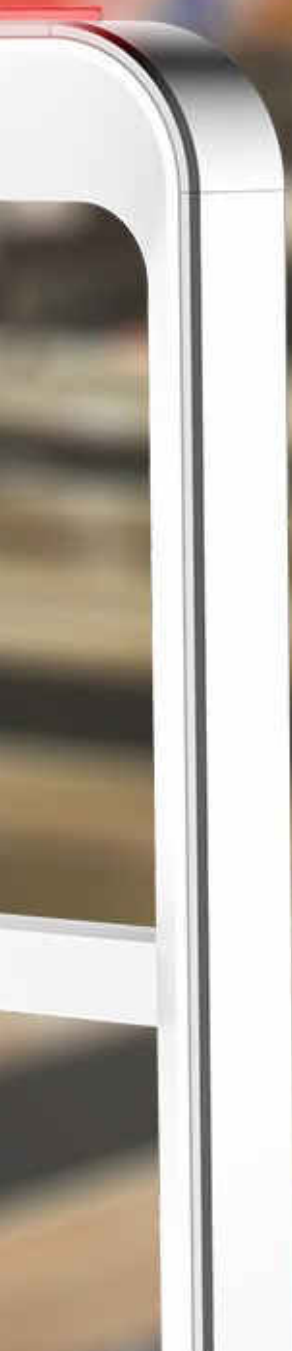Black/White

Custom Wrap
Optional extra

Custom Trims
Optional extra

G40

Evolve

EVOLVE RANGE 2019 OPTIONS	S20	G40
Integrated People Counter	○	○
RFID Reader Upgrade Kit	○	○
Integrated Metal/Magnet Detector	○	○
Custom Print Wrap	●	○
Integrated EAS Jammer Detection	●	●
Custom Accent Trim Colors	●	○
Integrated Multi Color LED's	●	○
Smart Alarm Management	○	○
Remote Service Capable	●	●
Max Aisle Width (410 label)	1.8m/6ft	1.6m/5.2ft

Component Key: **Inc.** = Included as Standard   ● = Option Available   ○ = Not Available

NP20

NEO
RF/RFID Range

Checkpoint

The new range of Checkpoint wireless sensors revolutionises EAS systems. Reinventing every aspect of the traditional, the new NP10 and NP20 boast a sleek & contemporary design structure, together with powerful performance improvements delivered by our new NEO wireless electronics.

A sophisticated sensor, NEO connects directly to store networks, mobile and the Checkpoint cloud platform with no middleware, allowing continuous and seamless data gathering. With its 24/7 real-time self-health check, any issues are picked up immediately. The new electronics mean the pedestals are compact and slimmer with the scope of supporting more technology, without changing the aesthetics of the frame.

NEO RANGE 2019 OPTIONS	NP10/20
Integrated People Counter	● Phase 3
RFID Reader Upgrade Kit	● Phase 3
Integrated Metal/Magnet Detector	○
Advertising Panels	●
Integrated EAS Jammer Detection	●
Integrated Dual Color LED's	○
Smart Alarm Management	●
Remote Service Capable	●
Real-Time Monitoring via Cloud	●
Live System Health Check via App	●
Multiple Audio Files	●
Wireless Connectivity	●

Component Key: **Inc.** = Included as Standard   ● = Option Available   ○ = Not Available   ● = RFID Available
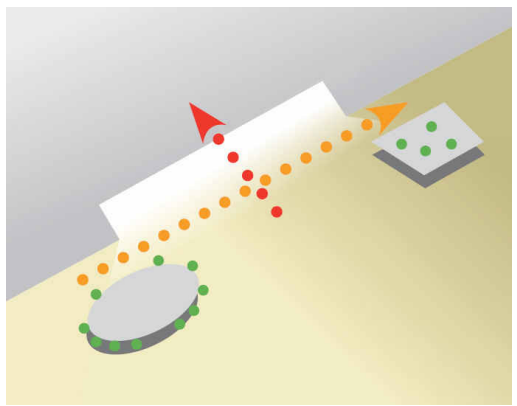
WIRAMA
RFID Range

Checkpoint's Unique, Patented Technology: Delivering Unprecedented Accuracy

RFID is characterized by long read ranges. RFID tags can be read at a distance, as far away as 20 feet. On the positive side, this provides powerful capabilities for identifying and tracking items in a "read zone", enabling a retailer to know exactly what merchandise is located, and where.

Checkpoint's RFID-based solutions are powered by a unique combination of patented hardware and software technology called Wirama Radar™, which ensures data integrity critical to the solution's effectiveness:

- Wirama Hardware identifies the location and directionality of a tag.
- Filtering Software eliminates unwanted reads from tags that are not moving through the door, so should be ignored.

Wirama Radar uniquely enables Checkpoint to deliver unprecedented accuracy and context in reporting the location and directionality of movement of tagged merchandise in a three dimensional view, while adhering to all industry standards for networking and consumables. Wirama Radar is able to determine if an apparel item is simply hanging nearby an exit door, or potentially being stolen. In addition, it can even recognize which way an item is moving, whether into the store, out of the store, or along the door. Wirama Radar ensures excellent alarm integrity, enabling store associates to take appropriate action when the alarm does sound.

WIRAMA RADAR™ inside

Wirama Radar distinguishes between items merchandised near the door, items moving along the door, and items moving through the door, and only alarms in case of a potential theft event.

WIRAMA
RFID Range – Overhead

Checkpoint

Checkpoint's Overhead 2.0 offers apparel retailers improved functionality, more flexible deployment, greater economic benefits and better performance than competitive solutions.

HARDWARE

The Overhead unit consists of a primary enclosure containing Checkpoint's unique UHF RFID reader, specifically designed and optimized for retail applications. The box is mounted above the exit door, and reads RFID tags that pass through the door. In addition, two satellite antennas are installed adjacent to the reader box, and an alarm box is installed near the exit door to provide audible and visible alerts.

SOFTWARE

On-board filtering software ensures alarm integrity by effectively identifying tags that are moving through the coverage area, rather than alarming on tagged items that are located nearby. This dramatically increases read accuracy, virtually eliminating false alarms caused by unwanted (also known as "stray" or "bleed") reads. In addition, this can easily be combined with Checkpoint's HALO software solution to provide real-time, accurate inventory visibility, enabling retailers to reduce out-of-stocks and increase sales.

- Coverage of wider and higher exit doorways (20 feet wide and 12 feet high) making it suitable for mall-based retailers and department stores.

- Improved RFID electronics for greater read accuracy and fewer false alarms.

- The ability to detect the number of tagged units in a smaller "active zone," resulting in improved front-of-store merchandising.

WIRAMA RANGE 2019	OH-2
RFID as EAS	●
Directional filtering	●
Wide & High entrances	●
Front of Store Merchandising	●

WIRAMA
RFID Range – Underfloor

Checkpoint's UF-1 is uniquely positioned to advance floor based RFID EAS system performance to the next level. Using patented Checkpoint Wirama Radar™ technology, the underfloor RFID-enabled solution is able to identify the direction of a tag passing over the solution, whether into the store, out of the store, or along the door. It is also able to determine if an item is located nearby the exit or potentially being stolen – minimising false alarms.

Suited to a wide array of projects, from those wanting aesthetically pleasing open entrances to where ceiling height simply prohibits the use of overheads, including:

WIDE OPENINGS required to remain obstacle free for movement of arge objects (DIY centers)

MALL RESTRICTIONS governing the use of EAS pedestals across retail entrances

STORES requiring special attention to design considerations, store aesthetics or corporate identity

The UF-1 is strong enough to be buried with top surface flush with slab concrete level but below finished floor surface or screed level without compromising the strength of the floor.

WIRAMA RANGE 2019	UF-1
RFID as EAS	●
Directional filtering	●
Wide & High entrances	●
Front of Store Merchandising	●

WIRAMA
RFID Range – Antenna

Checkpoint®

E10

NP20

G10

G35

	E10	G10	G35	NP10/20
Integrated People Counter	●	○	●	● Phase 3
RFID Reader Upgrade Kit	●	●	●	● Phase 3
Integrated Metal/Magnet Detector	●	●	●	○
Advertising Panels	Inc.	○	○	●
EAS Jammer Detection	●	●	●	●
Integrated Dual Color LED's [1]	●	●	●	○
Smart Alarm Management [2]	●	○	●	●
Remote Service Capable	●	●	●	●
Real-Time Monitoring via Cloud	●	○	○	●
Live System Health Check via App	○	○	○	●
Multiple Audio Files	○	○	○	●
Wireless Connectivity	○	○	○	●

Component Key: **Inc.** = Included as Standard ● = Option Available ○ = Not Available ● = RFID Available

HIGH PERFORMANCE
Personalisation

HIGH PERFORMANCE
Personalisation

Checkpoint

Retailers need to compete for consumers time, getting consumers to visit a store and keeping them in the store is a major challenge. Shoppers have so much choice and flexibility at their fingertips, retailers are investing in the look and feel of stores to improve the overall shopping experience.

Store design aims:

For shoppers to live and feel the brand, lifestyle choices and the products themselves. To become a destination of choice retailers are investing to get it right, showcasing their products and brand aspirations in high quality, welcoming and exciting environments, to entice shoppers.
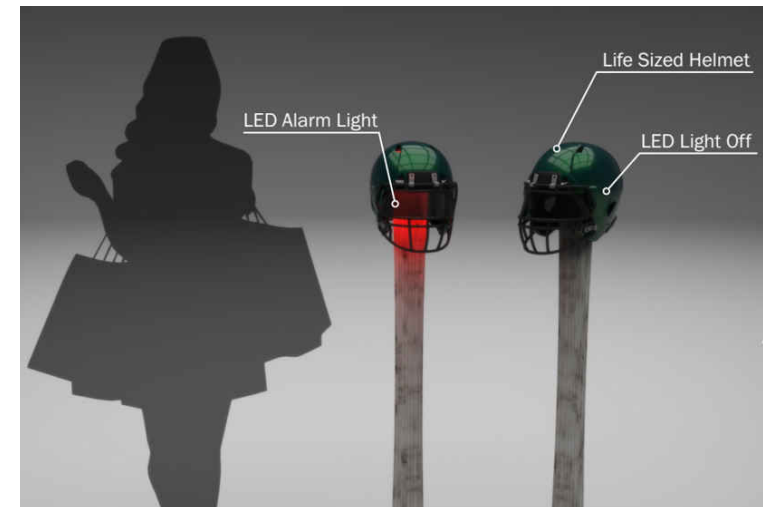
Advances in Checkpoint's electronics architecture, manufacturing technologies and design tools mean that we can offer custom design services – cost effectively producing solutions in short lead times.

We work directly with the retailer's store design teams to ensure that necessary hardware is designed to complement but still function effectively, creating the perfect marriage of form and function.

High Performance encompasses all areas:

- Technical performance
- Connectivity and communication
- Additional data capabilities

We are unique in the LP marketplace offering a complete design tailored solution that adds real value and aligns with the modern retail store diversity.

HIGH PERFORMANCE
Personalisation

Checkpoint's personalisation service is driven by our own in-house design expertise, working in combination with our client's own experts.
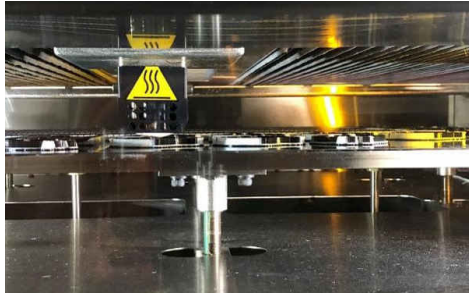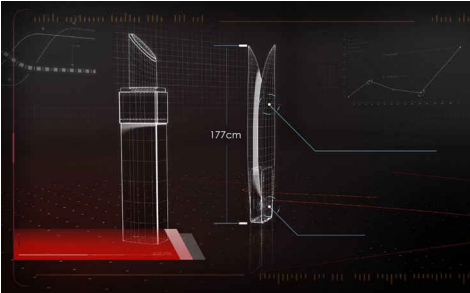
Design journey:

CKP offers the ability to create something unique, that compliments retailers overall vison of their brand and store concept. Our in-house design team uses the latest state of the art software tools and large format 3D printers can quickly create full size design concepts. Our rapid prototyping allows our engineers to perfect the design so that multiple trial tooling iterations are no longer required... saving time and money

Only Checkpoint offers this personalisation service to our customers, creating your own range of hardware designs in days not weeks, achieved rapidly and confidentially.

High Performance Personalisation:

enhance store design, increase customer experience and control loss effectively.

Beautiful design and best in class performance, without compromise – For a connected store that connects with your shopper.

Checkpoint®

FIFTY YEARS OF INGENUITY 50

About Checkpoint Systems, Inc.

Checkpoint Systems is the only vertically integrated RF/RFID solution provider for retail. With consumer demands accelerating at an extraordinary rate driven by technology, Checkpoint delivers intelligent solutions – bringing clarity and efficiency into the retail environment anytime, anywhere. Through a unique offering of software, hardware, labels, tags and connected cloud-based solutions, Checkpoint optimizes retail operations and efficiencies with real-time intuitive data delivered throughout the supply chain and in-store resulting in improved profitability and an enriched consumer experience. Checkpoint's intelligent retail solutions are built upon 50 years of radio frequency technology expertise, innovative high-theft and loss prevention solutions, market-leading software, RFID hardware and comprehensive labeling capabilities to brand, secure and track merchandise from source to shelf.

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About CCL Industries

CCL Industries Inc, a world leader in specialty label and packaging solutions for global corporations, small businesses and consumers, employs approximately 19,000 + people & operates 150 production facilities on 5 continents with corporate offices in Toronto, Canada and Framingham, Massachusetts.