



Access Control
HyperX™
Automatic Vehicle Identification

Long-range hands-free vehicle identification



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Automatic Vehicle Identification

Reliable

HyperX™ technology guarantees long distance tag detection by utilising a unique high frequency signal. This enables the identification of individual vehicles travelling up to 100km/h, irrespective of weather conditions and environmental factors.

Convenient

Automatic Vehicle Identification minimises traffic congestion and queuing times by enabling a continuous flow of traffic. Providing hands-free operation also eliminates the possibility of operator error.

Secure

HyperX™ ID-tags cannot be replicated, making them more secure than other vehicle identification techniques, such as number plate recognition. Tags are also small and portable enough to be removed when not in use, reducing the risk of vehicle theft.

Reduced Costs

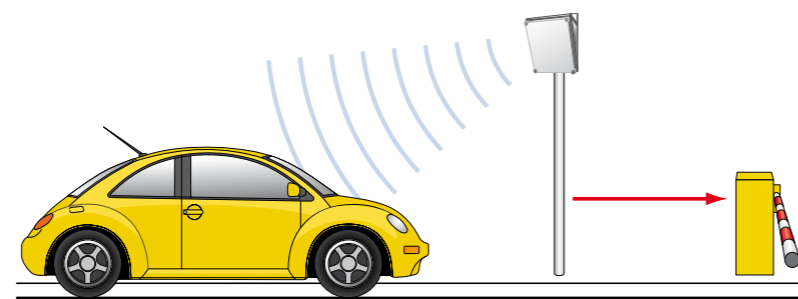
HyperX™ based systems provide highly efficient and secure vehicle detection, enabling fully automated solutions that can considerably reduce operational costs. The elimination of vehicle queuing has delivered significant fuel savings in selected applications.

What is HyperX™?

HyperX™ technology is the perfect solution for long-range automatic identification applications, providing unbeatable performance and reliability. Its guaranteed ability to detect fast moving ID-tags at distances of up to 8 metres make it ideal for vehicular access control. Utilising microwave frequency technology, HyperX™ is unaffected by adverse weather conditions or electromagnetic interference, providing unrivalled consistency. Tags can be programmed with customer specific information allowing easy integration for personnel access control systems.

How does HyperX™ work?

In its simplest form, the HyperX™ system consists of a reader and a vehicle tag. A roadside mounted reader transmits pulses of high frequency signal within a specific zone. The tags are supplied as lightweight cards to place within a holder mounted behind the windscreen. As the vehicle enters the detection area the tag reflects the signal to the reader adding its individual tag ID. This data is sent to the host control system or a standalone controller, such as Nortech's CRC100. The control system identifies the access privilege for individual vehicles and controls gates, barriers, bollards and traffic signals accordingly.



For more information contact us on:

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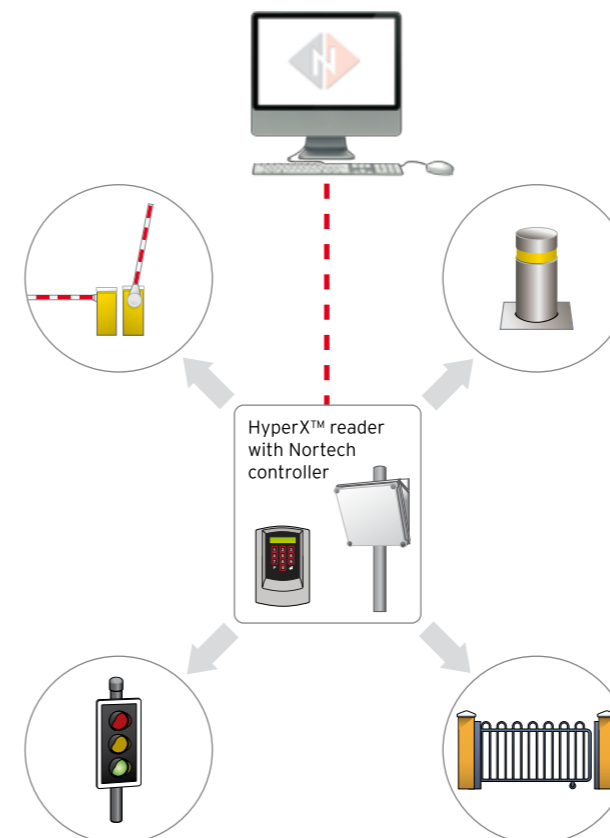
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Whatever your application...

...Nortech can provide a solution

HyperX™ technology has provided ideal solutions for a diverse range of applications with the support of Nortech's access control equipment and development capability. Nortech have designed many complete systems to meet specific customer requirements by either incorporating standard products or creating bespoke components to deliver optimum performance.



Traffic Management UK City Centres

A number of major UK cities use HyperX™ equipment to manage traffic in pedestrianised zones and improve public transport efficiency. Pedestrian safety and convenience have been improved by issuing ID-tags to permitted vehicles enabling automated access to restricted areas at specified times. Buses fitted with HyperX™ tags can also be identified at key junctions and given priority treatment through traffic light sequencing.



Distribution Centre National Supermarket Chain

With a national distribution network linking factories, depots and stores, one of the UK's most successful retailers identified their 24-hour, manned entrances as areas of high cost and low efficiency. Fitting company vehicles with HyperX™ technology and allocating automated priority lanes dramatically reduced queuing times. The reduced fuel consumption, manpower and improved efficiency provided an estimated saving of £50m within the first few months of operation.



Car Park Management Nottingham City Council

More than 1200 collection and staff vehicles use the main refuse transfer depot at Nottingham City Council. Having encountered numerous reliability problems with previous access control systems, due to interference from nearby broadcasting masts, HyperX™ technology provided the perfect solution. Operating at a 2.45GHz frequency, the system eliminates all external electromagnetic interference.



Applications



Pedestrianisation



Bus Lane Control



Vehicle Access



Industrial Site Access



Traffic Light Priorities



Distribution Centres



Taxi-feeder Systems



Personnel Access



Parking Management



Caravan Security



Fleet Management



Tolling Systems