Datasheet
Card Protection Plate

Deep insert skimming is the biggest global ATM card fraud challenge because jamming and detection technologies do not protect against it.

Only Card Protection Plate defends against deep insert skimming and shimming.
Card Protection Plate

Card Protection Plate defends against deep insert skimmers and shimmers that are inserted deep inside the ATM or SST card reader. These fraudulent devices cannot be detected, and anti-skimming solutions that use jamming technology are not designed to defend against them.

Card Protection Plate’s effectiveness is based on a simple principle: it fills the space in the card reader that criminals need for deep insert skimming. However the patented design and construction of Card Protection Plate are very sophisticated: Card Protection Plate cannot be displaced or removed by unauthorised personnel and most importantly protects cardholder data with no impact on the functionality of the card reader.

Deep Insert skimming prevention
The number of reported deep insert skimmers is increasing fast. These new skimmers are inserted inside the motorised card reader, behind the shutter, or inside a DIP card reader, behind the card reader read head. The read head of the skimming device is targeted at the magnetic stripe on the card.

Card Protection Plate effectively prevents the insertion and placement of these deep insert skimming devices inside the card reader.

Self-defence against attack
Card Protection Plate has patented design features that securely hold it in place and protect it from being removed by unauthorised personnel.

The length of the plate means that it cannot be levered out of its position from the front of the ATM or SST or pushed away through the back of the card reader.

Defence against shimming
A shimming device is designed to capture Track 2 equivalent data from the chip on the card. It is a very thin device that is inserted deep inside the card reader, in the space between the contacts of the card reader and the customer’s card. The shimming device does not physically skim or copy the chip but intercepts or ‘sniffs’ the information exchange between the card and the card reader.

Some shimming techniques, known as ‘Wedge Attacks’, perform complex ‘man-in-the middle’ attacks and modify the captured information to facilitate a fraudulent transaction.

Card Protection Plate technology:
“*The most effective defence against deep insert skimming attacks.*”
Card Protection Plate effectively defends against all known types of shimming by preventing the insertion and placement of a shimming device inside the card reader.

Proven success, widely deployed
The first internal skimming devices targeted self-service petrol pumps and ticketing machines and CPP has been widely deployed on SSTs. CPP successfully protects approximately 50,000 SSTs and ATMs against deep insert skimming.

Fast installation
Card Protection Plate can be installed within fifteen minutes and an insertion guide and tools are provided to ensure that the Card Protection Plate is securely lodged in the correct position to defend against attacks and any unauthorised attempts to remove it.

No maintenance
Card Protection Plate has been designed to be maintenance free. The material is non-corrosive and Card Protection Plate can be removed if the card reader needs to be serviced or replaced.

No impact on transactions
Card Protection Plate is constructed from specially selected, certified high grade material with an ultralow magnetic quality so that there is no interference with the chip or magnetic stripe and card transactions are unaffected.

This material is also used because of its flexibility: though hard and strong, there needs to be just enough tolerance of movement to support card transactions.

The card can smoothly enter and exit the card reader because of curved, polished edges at the front and around cut-out areas. This also means that worn cards will not get stuck.

Multi-vendor, DIP and motorised
Card Protection Plate is designed specifically for each motorised and DIP card reader model.

The Card Protection Plate family for SSTs includes Hopt-Schuler DIP and Panasonic DIP.

For ATMs, the CPP family includes Sankyo Motorised (NCR SelfServ and Diebold Opteva), Sankyo DIP (Diebold Opteva and Wincor) and HOTS (Hitachi Omron) Motorised (Wincor) and HOTS DIP (NCR SelfServ).

Works with Card Protection Kit (CPK) and Active DIP Kit (ADK)
Card Protection Plate can be used with CPK and ADK and other features such as Tilt and Vibration Kit, Anti-Trapping Kit and Surface Detection Kit for maximum protection against ATM card fraud.
Card Protection Plate examples

CPP3-R
Motorised Sankyo card reader

CPP4-SA1
Sankyo DIP card reader
(for Diebold ATMs)

CPP4-HO1
Hitachi Omron DIP card reader
(for NCR SelfServ ATMs)

CPP3-RHO2
Motorised Hitachi Omron V2XF/V2XU card reader

CPP3-RHO1
Motorised Hitachi Omron V2CU card reader
### Features and benefits summary

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
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<tbody>
<tr>
<td>Defends ATMs and SSTs against deep insert skimming and shimming</td>
<td></td>
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<tr>
<td>Does not interfere with transactions. Certified low magnetic quality:</td>
<td>smooth polished edges</td>
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<tr>
<td>Self-defence against attack: length and security features prevent</td>
<td>unauthorised removal</td>
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<tr>
<td>Designed specifically for each card reader model for maximum security</td>
<td>and no impact on transactions</td>
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<tr>
<td>Easy to install, guide and tools provided. Maintenance free:</td>
<td>non-corrosive material</td>
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<tr>
<td>Patented design: only fills the space criminals need. Transport</td>
<td>wheels, chip and read heads left free</td>
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<tr>
<td>Works with TMD Card Protection Kit (CPK), Active DIP Kit (ADK) and</td>
<td>security features such as Tilt and Vibration Kit</td>
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<td>We take care.</td>
<td></td>
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