

Cyclone High Capacity Hopper

High capacity, high capability

— Cyclone High Capacity is built for gaming

- High speed
- High security
- High reliability



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The Cyclone High Capacity Hopper is a real alternative to customer-built gaming hoppers, providing high-speed, single-denomination coin or token payout, with high security and reliability.

Developed from our successful Cyclone Hopper – ideal for 95% of the world's coins – the Cyclone High Capacity Hopper comprises three standard elements: bowl, baseplate and handle.

Holding typically 2,500 x US 25 cents, the unique design bowl meets the challenging capacity requirements of today's international gaming market.

The baseplate design ensures an easy slide-in/slide-out operation of the unit into the machine, whilst the handle enables comfortable carrying of the full hopper unit if required. Each of these elements can be configured, if necessary, to suit individual customer requirements.

As with the Cyclone Hopper, the Cyclone High Capacity can be simply configured to accept a new coin by replacing the quick-change disc and, for some sizes, the ejector fingers.

A stealth lightguide and multiple optical sensors ensure payout of the correct number of coins.

In-service time is maximized with the automatic clearance of jams (usually caused by damaged coins) by auto-reversing the motor.

Available in 12V or 24V options, Cyclone High Capacity offers a choice of interfaces: the casino standard parallel interface or ccTalk serial interface.

The ccTalk serial interface option makes this the most secure hopper in its class, with encrypted payout commands preventing fraudulent activity. It also offers improved diagnostics and more detailed reporting – a major benefit for network-managed machines.

An option to clamp the motor windings during the idle state to prevent it from being driven by external power provides additional security.

A built-in coin counter allows the serial hopper to record and audit the total number of coins dispensed. Alternatively, for situations where a serial interface host is not available, the hopper can be supplied with a standard parallel interface.

Product Summary



- Developed specifically for gaming applications
- Excellent fraud discrimination
- Highest levels of performance and security
- Truly global design
 - accepts 95% of world's coin sets
 - reduced lead times, stockholding and costs
- Space efficient
- Choice of interface
 - casino standard parallel interface
 - ccTalk serial interface
- Very high capacity
- Efficient use of available machine space
- Multiple optical sensors and stealth lightguide
- Auto-reverse for jam clearance
- High- and low-level sensing
- Interchangeable discs for different size coins
- Fast payout, in 'single' or 'stream' mode

High capacity, high speed, high security, high reliability – setting a new high for gaming machines



Built for gaming, built to last

Cyclone High Capacity has been developed with one aim in mind: to meet the exacting requirements of the gaming industry. That's why it has such a high capacity; that's why it has such a rugged construction; and that's why it offers such high security and high resistance to fraud.

- Protects investment
- Increases security



Flexible unit

Quick-change discs enable **Cyclone High Capacity** to be easily configured – and reconfigured – to accept a particular coin. The latest variant features a disc that enables **Cyclone High Capacity** to handle US dollar tokens.

- Protects investment
- Maximizes profitability



Truly global

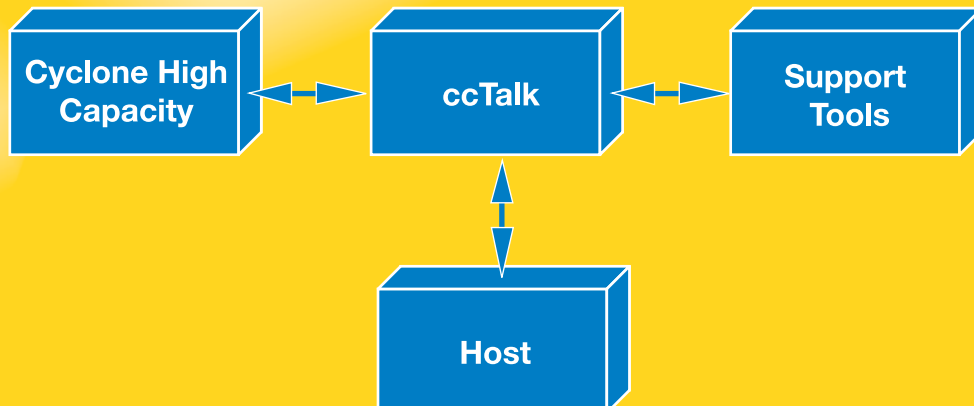
Cyclone High Capacity is a truly global product, able to handle up to 95% of the world's coin sets. This simplifies ordering, design and manufacturing procedures for OEMs, as well as reducing stockholding requirements.

- Lowers cost of ownership
- Maximizes profitability

ccTalk serial interface

Cyclone High Capacity can be fitted with the optional ccTalk, open-standard, serial interface. This enables comprehensive diagnostics and alarm reporting, and provides increased security, including encryption. It also provides a built-in coin counter and offers recovery of payout information after power failure.

- Lowers cost of ownership
- Increases security



Cyclone High Capacity Hopper

Data Summary

Dimensions	Height: 194mm (7.64") Width: 291mm (11.46") Depth: 252mm (9.92")		
Coin Capacity	1,900 x €1, 1,600 x £1, 2,500 x US 25¢		
Coin Dimensions	Diameter range: 15–29.5mm (0.591"–1.162") Thickness range: 1.25–3.2mm (0.050"–0.126")		
Coin Payout Rate	Stream mode: 8 to 10 coins per sec Single mode: 2 coins per second		
Electrical Interface	Parallel		Serial
	Voltage:		
	Nominal	12Vdc	24Vdc
	Minimum	10Vdc	19Vdc
	Maximum	14Vdc	26V dc
	Current:		
	Typical (empty bowl)	0.60A	0.35A
	Typical (full bowl)	1.50A	0.90A
	Surge (auto-reverse)	5.00A	3.90A
	Communications Interface	Standard parallel	ccTalk serial (RS232-based)
Security	Optical protection	Multiple sensors and stealth lightguide	Multiple sensors and stealth light guide
Motor protection		n/a	Motor clamped during idle state
Protection against unauthorized use of hopper (optional)		n/a	PIN code activation
Environmental	Temperature range:	Operating 0°C to 60°C Storage -20°C to 70°C	
	Humidity range:	Up to 95% RH non-condensing	

Recognized internationally as experts in the field of secure money processing, Money Controls has the most comprehensive product range in the industry, covering coin, bill and system requirements. Our global presence ensures local – and regional – sales support and rapid-response spares and repairs service.

For further information and details of your nearest Money Controls office, please e-mail: sales@moneycontrols.com. Alternatively, you can visit our website, where you will find a wide range of information on our company and products:

www.moneycontrols.com

