Lumina note acceptor

Lumina is a low-cost, fraud-resistant note acceptor offering exceptional performance and a very high first-time acceptance rate of street-grade banknotes, making this an extremely fast and reliable note acceptor for a wide range of applications.

Key Benefits

- Low-cost, high-performance solution
- High security, high resistance to fraud
- Truly global – accepts most of the world's note currencies
- Field update of note sets
- High performance level is self-maintaining
- Optimum in-service time
- Easy cleaning and maintenance.

Key Features – general

- Very high first-time acceptance rate of street-grade banknotes
- Active anti-fishing device
- Optical, anti-stringing design
- Resistance to salt-water tampering
- High-speed acceptance, less than 2.5 seconds vend time
- Multiple, precision optical and security sensors
- Flash download of note sets and software updates
- ccTalk serial interface, standard/binary parallel and serial pulsed interfaces
- Automatic calibration of sensors for high performance
- Compact, modular system with easy access to note path for cleaning and maintenance.

Key Features – serial

- ccTalk serial interface, with encryption
- Higher level of security
- Comprehensive diagnostics and error & status reporting
- Detailed monitoring of product performance.

The **Lumina** note acceptor is a low-cost, compact, modular system that offers high performance, high security and trouble-free note handling for a wide range of applications, including amusement, music, video and change machines. Based on world-proven Ardac technology, it is designed for acceptance of virtually all the world's note currencies, including the Euro, and can easily be updated by Flash memory download. With 64 individual note profiles, Lumina provides reliable discrimination of up to sixteen banknotes in four directions.

During operation, each note is optically scanned to determine authenticity and denomination. Very high security is achieved through the use of left justification which enables precise readings to be made against tight tolerances.

To protect against fraudulent activity, **Lumina** incorporates an internationally proven optical anti-stringing design (featured in our high-security Ardac WACS) and is resistant to salt-water tampering. This provides the highest level of security in unmanned environments.

Lumina provides ccTalk standard/binary and serial pulsed interfaces. The industry standard ccTalk serial interface makes it the most secure note acceptor available in its class today, with improved diagnostics and more detailed error and status reporting – a major benefit for network-managed machines.

Lumina offers an escrow mode whereby an inserted note is pre-accepted and held in the 'escrow' position while the host machine is notified of the pending credit. The host machine can then make the decision to accept or return the note.

DATA SHEET

EUROPE

UK (Group Headquarters)
T: +44 (0)161 678 0111
E: sales.uk@moneycontrols.com
F: +44 (0)161 626 7674

GERMANY
T: +49 40399 2630
E: sales.de@moneycontrols.com
F: +49 40390 4582

SPAIN
T: +34 933 002 496
E: sales.es@moneycontrols.com
F: +34 933 002 608

THE AMERICAS

CLEVELAND
T: +1 440 946 3000
E: sales.usa@moneycontrols.com
F: +1 440 946 9829

LAS VEGAS
T: +1 702 739 8263
E: sales.usa@moneycontrols.com
F: +1 702 739 1911

BRAZIL
T: +55 51 3333 0617
E: sales.br@moneycontrols.com
F: +55 51 3333 9866

VENEZUELA
T: +1 216 701 3409
E: sales.ve@moneycontrols.com

ASIA PACIFIC

AUSTRALIA
T: +02 96835033
E: sales.au@moneycontrols.com
F: +02 96835055

Dimensions		Lumina	Lumina and Rotor
	Height	99mm (3.90")	99mm (3.96")
	Width	94mm (3.68")	105mm (4.20")
	Depth	95mm (3.75")	142mm (5.68")
Note Size			
	Maximum Width	80mm (3.14")	
Environmental			
Temperature Range:	Operating	0°C to 55°C	
	Storage	-20°C to 70°C	
Humidity Range:		Up to 95% RH non-condensing	
Electrical Interface			
Voltage:	Nominal	12Vdc	
	Minimum	10Vdc	
	Maximum	15.75Vdc	
Current:	Typical	400mA	
	Minimum (idle)	200mA	
	Maximum	2.0A	

Operational Specification

16 notes x 4-ways, 64 profiles

Automatic calibration of sensors to maintain performance

Vend time less than 2.5 seconds

Performance monitoring in non-volatile memory

Individual bill/note inhibit using 8-position dip switch

Diagnostics via ccTalk serial interface

Communications Interface

ccTalk serial (RS232-based) and standard/binary parallel and serial pulsed

Memory

128K x 8 (1Mb) program space

Security

Lumina is resistant to saltwater tampering and incorporates an optical anti-stringing design as standard to deter and protect against fraudulent activity, such as pullback manipulation, thus providing optimum security.

For full technical details please refer to the appropriate Technical Manual.
E-mail: technical.uk@moneycontrols.com

Optional Features

- Choice of bezels – Nama, Letterbox or Standard.

Optional Security Features

- Passive Security Barrier
- Lumina Rotor.

For further information please contact your nearest Money Controls office either by telephone, e-mail or fax. Alternatively, you can visit our website where you will find a wide range of information on our company and products:

www.moneycontrols.com

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