

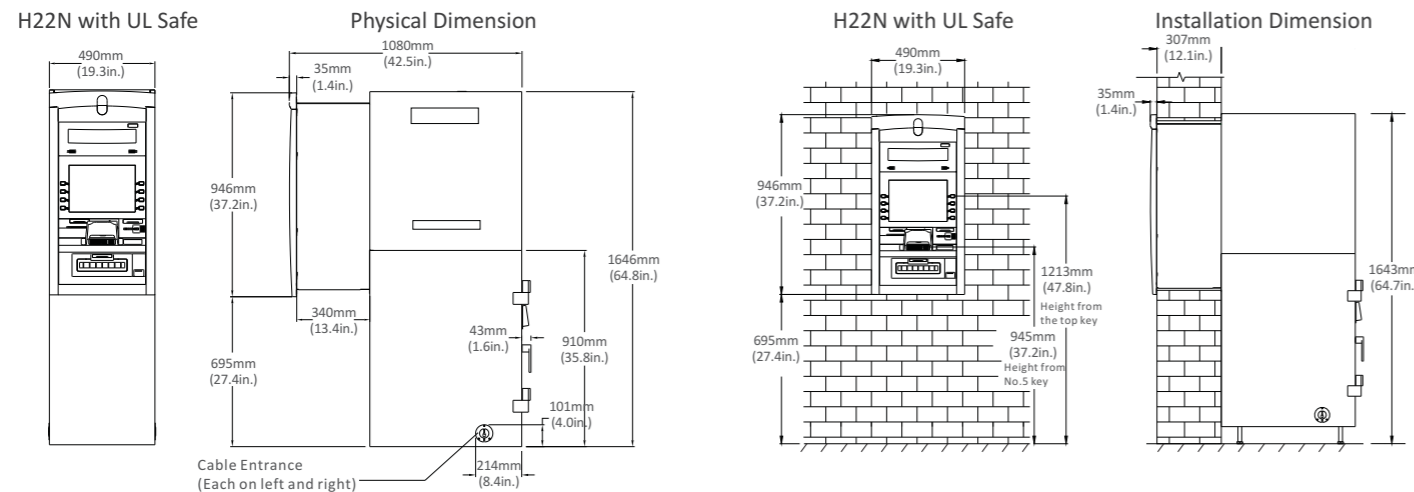
H22N Series Versatile Cash Dispenser

We Move Faster

GRGBanking

Items		H22N	H22NL	H22NLR	H22ND
Type		Through-the-Wall	Lobby	Lobby	Drive-up
Access		Rear	Front	Rear	Rear
RAM		4G, up to 16G	4G, up to 16G	4G, up to 16G	4G, up to 16G
Cassette No.		2- 4	2- 4	2- 4	2- 3
Card Reader		Motorized card reader, Hi-Co track read -EMV Level 1 and Level 2 compliant -Contactless smart card reader/writer (opt.) -DIP card reader/writer (opt.)	Motorized card reader, Hi-Co track read -EMV Level 1 and Level 2 compliant -Contactless smart card reader/writer (opt.) -DIP card reader/writer (opt.)	Motorized card reader, Hi-Co track read -EMV Level 1 and Level 2 compliant -Contactless smart card reader/writer (opt.) -DIP card reader/writer (opt.)	DIP card reader/writer, Hi-Co & Lo-Co track read -EMV Level 1 and Level 2 compliant
Barcode Scanner (opt.)		Yes	Yes	Yes	No
PIN Pad Shield		Yes	Yes	Yes	No
Safe	Standard	UL 291 Level 1	UL 291 Level 1	UL 291 Level 1	UL 291 Level 1
	Optional	CENL / CENIV	CENL / CENIV	CENL / CENIV	-
Dimension & Weight	UL safe	Height: 64.8in. (1646mm) Width: 19.3in. (490mm) Depth: 42.5in. (1080mm) Weight: 1175.1lbs (533kg)	Height: 65.9in. (1673mm) Width: 19.3in. (490mm) Depth: 34.0in. (865mm) Weight: 1155.2lbs (524kg)	Height: 65.9in. (1673mm) Width: 19.3in. (490mm) Depth: 34.0in. (865mm) Weight: 1210.3lbs (549kg)	Height: 60.8in. (1545mm) Width: 19.3in. (490mm) Depth: 33.6in. (853mm) Weight: 1047lbs (475kg)
	CEN L safe & CEN IV safe	Height: 64.8in. (1646mm) Width: 19.3in. (490mm) Depth: 42.5in. (1080mm) Weight: CEN L: 625kg (1377.9lbs) CEN IV: 1521.2lb(690kg)	Height: 65.9in. (1673mm) Width: 19.3in. (490mm) Depth: 34.0in. (865mm) Weight: CEN L: 1417.5lbs (643kg) CEN IV: 1560.9lbs(708kg)	Height: 65.9in. (1673mm) Width: 19.3in. (490mm) Depth: 34.0in. (865mm) Weight: CEN L: 1472.7lbs (668kg) CEN IV: 1616.0lbs(733kg)	-

* Options' combination is subject to GRGBanking advice.



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DT-7000

H22N Series Versatile Cash Dispenser

The H22N series is comprised of compact cash dispensers delivering unparalleled easy usage and maintenance. With ergonomic and scalable features for revenue-generating service, H22N series can change your ATM from a cost center to a profit center. The continuous technological innovation of GRG makes H22N series the unrivalled machines with maximum usability and availability which fit into different scenarios.



Fulfill Your Strategy with Easy Management

As one of the elite global leaders in cash processing technology, and a holder of more than 1,200 patents, GRG Banking has developed this compact cash dispenser series to allow banks to cost effectively achieve their self-service strategies and to exceed your clients' future expectations.

Easy to Own

- ◆ Small footprint yet versatile functionalities minimize total cost of ownership.
- ◆ Designed for faster and simpler transactions, the H22N series is able to support large volume cash transactions with reliable performance.
- ◆ Intrinsic security features enhance transaction security.
- ◆ Large volume of receipt paper roll and less maintenance frequency maximize machine uptime.

Easy to Use

- ◆ User-friendly design with big screen and voice guidance enhance user experience. ADA compliant design facilitate the operation of machine for all users.
- ◆ Certified with global proven security standards, GRG provides enhanced multi-layer and physical protection solution to minimize the risk of fraud and enhance customer confidence on security.
- ◆ Auto-retract receipt printer and privacy filter protect customer privacy.

Easy to Maintain

- ◆ Front, rear and side access make it extremely easy for maintenance.
- ◆ Modular design enables the technician to fast replace failure parts within 15 minutes.
- ◆ Off-line diagnostic and error graphic guidance enable quick problem-shooting.
- ◆ The 24/7 ATM diagnosis, monitoring and management software solution enables administrators to monitor the whole cash circulation process and take precautionary measures, assuring maximum machine uptime.



H22N Series Features

Intrinsic Performance

With high capacity and reliable performance, H22N series process up to 60 notes/transaction, 7 notes/second and safe keeping 3,000 x 4 cassettes' notes.

Flexible Scalability

With the unrivalled level of scalability and configuration, contactless card reading, bill payment and other biometric solution features are not impossible for H22N series. They deliver value-added services in many applications to extend banking channels.

Premier Security

Built-in anti skimming and anti-cash-trapping solutions guarantee a more secure transaction environment. Optional security cameras and DVR provide comprehensive transaction monitoring service for bank customer.

H22N series is able to configure with GRG SECOne solution, which is a security software based on white list strategy to protect the system and files from software attack.

Optimized Design

Ergonomic fascia and compact structure, intuitive dispensing features combined with scalable functionalities.

Specifications

Controlling Unit

- ◆ Intel® Core™ i3 3.3Ghz CPU, 4G RAM (up to 16GB)
- ◆ Intel® Core™ i5/i7 (opt.)
- ◆ 500G HDD (Dual HDD support), DVD-RW
- ◆ Windows® 7

Banknote Processing Unit

- ◆ High-speed bulk dispenser:
 - Dispensing speed: 7 notes per second
 - Max. 60 notes per transaction
 - Up to 4 cassettes (refer to attached sheet for details)
 - Cassette capacity: max. 3,000 notes*
- ◆ Retract cassette capacity: max. 350 notes

Customer Interfaces

- ◆ Display:
 - 15" TFT color LCD with optional touch screen & 2*4 function keys
 - Privacy filter (opt.)
- ◆ Keypad:
 - Tactile 4*4 alphanumeric keypad
 - PCI compliant EPP
- ◆ Card reader:
 - Motorized card reader
 - DIP card reader (opt.)
 - Contactless smart card reader/writer (opt.)
 - EMV Level 1 and Level 2 compliant
 - Anti-skimming design
 - Card return on power failure (opt.)
 - Retract card capacity: max 30 cards (opt.)
- ◆ Receipt printer:
 - 80mm 203DPI graphical thermal printer
 - Capture and retract capability
- ◆ Journal printer (opt.):
 - High speed dot matrix journal printer

*The actual capacity is subject to the thickness and fitness of local currency.

- Thermal printer
- ◆ Barcode scanner (opt.)

Biometric Authentication

- ◆ Finger vein reader (opt.)
- ◆ Finger print scanner (opt.)

Maintenance

- ◆ 10.4" LCD service panel with touch screen (unavailable on H22NL)
- ◆ Front, rear and side access

Security

- ◆ Physical:
 - Electronic lock (opt.)
 - Mechanical combination lock
- ◆ PCI compliant EPP
- ◆ EMV Level 1 and Level 2 certified
- ◆ PIN Pad shield
- ◆ Customer awareness mirror
- ◆ DVR surveillance system (opt.)
- ◆ Transaction image capture for surveillance (opt.)
- ◆ UPS (opt.)
- ◆ SecOne for software and network security (opt.)

Communication

- ◆ Standard TCP-IP connection
- ◆ Dial-up, wireless connection, SNA/SDLC and X.25 (opt.)

Working Environment

- ◆ Temperature: Indoor: 32°F(0 °C) to 104°F(40°C)
Outdoor: 14°F(-10°C) to 122°F(50°C)
(with optional heating unit)
- ◆ Relative humidity: 20% to 95% non-condensing