



HDAS

HEAVY DUTY ARMORED SERIES



Introducing the GoDEX Heavy Duty Armored Series! Engineered to thrive in the toughest environments, the HDAS sets a new standard in protection. Its rugged 304 stainless steel exterior and IP69K rating ensures it stands up effortlessly to intense, high-pressure cleaning while keeping internal components completely dry and secure. Designed for more than just food processing, but with strict FDA compliance in mind, the HDAS performs flawlessly in manufacturing, pharmaceuticals, agriculture, and any environment where durability and reliability are nonnegotiable.

Sturdy Stainless Steel Waterproof Structure

The HDAS is encased in a durable shield of 304 stainless steel and built to meet the highest standards of waterproof protection. With an IP69K rating, it is engineered to withstand direct exposure to high pressure water jets from every angle. This makes it ideal for environments where aggressive cleaning and wash-down procedures are part of daily operations.



Waterproof Touchscreen LCD Display

The HDAS is equipped with a fully sealed touchscreen LCD, allowing you to access critical functions with confidence, no matter the conditions. Its waterproof membrane shields against moisture, dirt, and harsh environments, so you never have to compromise control for protection.





Speed, Resolution, and Print Capabilities

The HDAS delivers high-speed, high-resolution performance with 203 and 300 DPI options, print speeds up to 14 inches per second, and the flexibility to print using direct thermal or thermal transfer methods. Its rugged stainless-steel construction ensures consistent, high-quality print results even at maximum speed, making it the ideal choice for all your high-volume applications.

Multiple Connectivity Options

The HDAS comes equipped with standard USB, Serial, and Ethernet ports for easy integration into existing systems, and to connect to various networks.



Armor & Accessibility

During label printing, the front access door opens smoothly for quick operation and seals tightly afterward to withstand rigorous wash-downs. When full internal access is required, the enclosure unlocks from both sides and lifts open with ease, revealing a clean and organized interior of electronic components and access to consumables. This intuitive access system maximizes uptime, simplifies maintenance, and keeps your workflow moving.

Effortless Media & Ribbon Loading

A side-loading ribbon and media path allow for more intuitive media installation. Automatic self-adjustment for coated inside / outside ribbons gives you the flexibility to utilize different ribbons. Supports a 450-meter ribbon capacity and up to 8-inch diameter media (3" core) for bulk printing.




Optional Built-In Heater for Cold Temp Environments

For cold environment applications, the HDAS offers an optional built-in heater designed to maintain optimal internal temperatures and ensure reliable operation. This added protection helps keep your production running smoothly, even in freezing conditions.

Specification

2024/11/18

Model			
		HDAS	HDAS3
Print Method		Thermal Transfer / Direct Thermal	
Resolution		203 dpi (8 dots/mm)	300 dpi (12 dot/mm)
Print Speed		Up to 14 ips (356 mm/s)	Up to 10 ips (254 mm/s)
Print Width		4.09" (104 mm)	4.09" (104 mm, up to 105.7 mm)
Print Length		Min. 0.12" (3 mm)** ; Max . 279.53" (7100 mm)	Min. 0.12" (3 mm)** ; Max. 125.98" (3200 mm)
Processor		32 Bit RISC CPU	
Memory	Flash	256 MB(Free for user storage 162 MB)	
	SDRAM	256 MB	
Sensor Type		Adjustable reflective sensor and transmissive sensor, left aligned	
Media	Type	Continuous form, gap labels, black mark sensing, and punched hole; label length set by auto sensing or programming	
	Width	Tear : Min. 0.8" (20 mm) – Max. 4.65" (118 mm) Cutter : Max. 4.61" (117 mm) Dispenser : Max. 4.65" (118 mm)	
	Thickness	Min. 0.0024" (0.06 mm) – Max. 0.01" (0.25 mm)	
	Label roll diameter	Max. 8" (203.2 mm)	
	Core diameter	Min. 1.5" (38.1 mm) – Max. 3" (76.2 mm)	
Ribbon	Types	Wax, wax/resin, resin	
	Length	Max. 1476' (450 m)	
	Width	Min. 1.18" (30 mm) – Max. 4.33" (110 mm)	
	Ribbon roll diameter	3" (76.2 mm)	
	Core diameter	1" (25.4 mm)	
Printer Language		EZPL, GEPL, GZPL, GDPL auto switch	
Software	Label design tool	GoLabel II (for EZPL only) (Windows)	
	Management tools	GoTools (Windows / Android / iOS) GoUtility (Windows)	
	APP	GoAPP(Android / iOS)	
Driver		Windows 7, Windows 8 & 8.1, Windows 10, Window11, Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022, MAC, Linux	
SDK		Win CE, .NET, Windows 7, Windows 8 & 8.1, Windows 10, Windows 11, Android, Mac, iOS	
Resident Fonts	Bitmap fonts	6, 8, 10, 12, 14, 18, 24, 30, 16X26 and OCR A & B 0°, 90°, 180°, 270° rotatable, single characters 0°, 90°, 180°, 270° rotatable 8 times expandable in horizontal and vertical directions	
	TTF Fonts	(Bold / Italic / Underline) 0°, 90°, 180°, 270° rotatable Internal TTF Fonts x5 : Traditional Chinese, Simplified Chinese, Japanese, Korean, Western languages	

Download Fonts	Bitmap fonts	0°, 90°, 180°, 270° rotatable, single characters 0°, 90°, 180°, 270° rotatable
	Asian fonts	16x16, 24x24. Traditional Chinese (BIG-5), Simplified Chinese(GB2312), Japanese(S-JIS), Korean (KS-X1001) 0°, 90°, 180°, 270° rotatable and 8 times expandable in horizontal and vertical directions
	TTF fonts	(Bold / Italic / Underline) 0°, 90°, 180°, 270° rotatable
Barcodes	1-D Bar codes	China Postal Code, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128 (subset A, B, C), EAN-8/EAN-13 (with 2 & 5 digits extension), EAN 128, FIM, German Post Code, GS1 DataBar, HIBC, Industrial 2 of 5, Interleaved 2-of-5 (I 2 of 5), Interleaved 2-of-5 with Shipping Bearer Bars, ISBT-128, ITF 14, Japanese Postnet, Logmars, MSI, Postnet, Plessey, Planet 11 & 13 digit, RPS 128, Standard 2 of 5, Telepen, Matrix 2 of 5, UPC-A/UPC-E (with 2 or 5 digit extension), UCC/EAN-128 K-Mart, Random Weight and Pharmacode
	2-D Bar codes	Aztec code, Code 49, Codablock F, Datamatrix code, MaxiCode, Micro PDF417, Micro QR code, PDF417, QR code, TLC 39, GS1 Composite, DotCode, Marco PDF 417
Code Pages		Codepage 437, 737, 850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869 Windows 1250, 1251, 1252, 1253, 1254, 1255, 1257 Unicode UTF8, UTF16BE, UTF16LE
Graphics		Resident graphic file types are BMP and PCX, other graphic formats are downloadable from the software
Interfaces		<ul style="list-style-type: none"> • USB 2.0 (Type B) • Serial Port (RS232) • Ethernet 10/100 Mbps • USB Host (Type A)
Real Time Clock		Standard
Control Panel		<ul style="list-style-type: none"> • Backlight 3.2" touch screen LCD • 1 Power on/off button • 1 Control key: FEED/PAUSE/CANCEL • 1 Calibration button at rear panel
Power		Auto Switching 100-240VAC, 50-60Hz.
Environment	Operation temperature	41° F to 104° F (5° C to 40° C) / Approximately 32° F to 104° F (0° C to 40° C) with Heater depending on overall environment
	Storage temperature	-4° F to 140° F (-20° C to 60° C)
Humidity	Operation	20-85%, non-condensing.
	Storage	10-90%, non-condensing.
Agency Approvals		CE (EMC), FCC Class B, CB, cULus, ICES-003, UKCA, BSMI, CCC, KC***
Dimension	Length	24.5 inches
	Width	12.5 inches
	Height	15 inches
Weight		70 lbs (31.75 kg), excluding consumables
Options		Internal Heater (Dealer Install) Parallel port adaptor module (Centronic female 36-pin)(Dealer Install) Applicator Interface (DSUB female 15-pin) Label Dispenser + Internal Rewinder (Dealer Install)

* Specifications are subject to change without notice. All company and/or product names are trademarks and/or registered trademarks of their respective owners.

** Minimum print height and maximum print speed specification compliance can be dependent on non-standard material variables such as label type, thickness, spacing, liner construction, etc. Godex is pleased to test non-standard materials for minimum print height, and maximum print speed capability.

*** The safety certification marks may be different depending on sales regions.

Applications

Applications for Labels & Barcodes

The ZX1000Xi+ series is extremely versatile and can be used for most applications.



Food Processing

Designed with FDA compliance for food processing and chemical processing environments.



Agriculture

Perfect for dusty, dirty environments that are vulnerable to various types of weather.



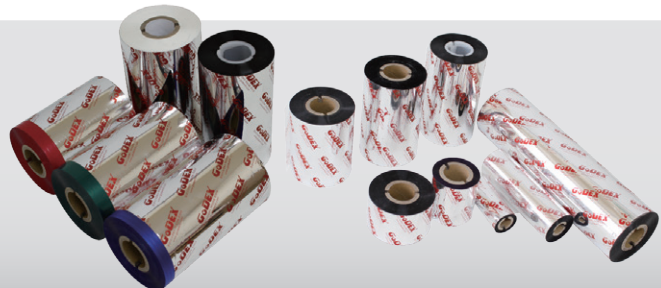
Pharmaceuticals

Capable of withstanding extreme temperatures often necessary in the pharmaceutical industry.

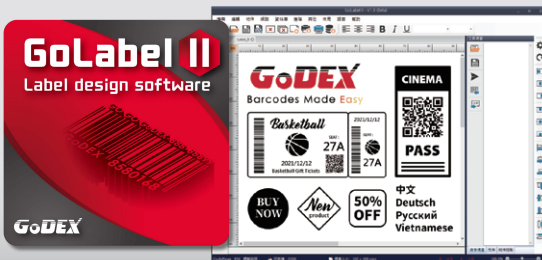
GoDEX RIBBONS

Godex offers premium thermal transfer ribbons that will fit most of your printing applications.

- = Wax
- = Wax/ Resin
- = Resin
- = Near Edge



GoDEX SOFTWARE



GoLabel II is based on a WYSIWYG (what you see is what you get) user interface, making everything so easy for users to create and print barcode labels.

GoLabel II is the first-choice in label design software, and all you need to start creating your own labels today!



Forget about installing complicated software, GoTools will show you the easiest way.



GoUtility can help users monitor GoDEX's printer status and deploy data to multiple printers through a concise user interface at the same time.