Linx **9800** Series

9810 | 9820 | 9830 | 9840 | 9840 Spectrum

Product Brochure



ELIXIR
INDUSTRIAL EQUIPMENT INCORPORATED

LINX

Linx **9800** Series



Built-in battery power for **maximum uptime**



Linx 9810
Reliable everyday coder



Linx 9820
Flexible coder for higher throughput



Linx 9830
Increased print capability with less maintenance



Linx 9840
Fast coding in demanding applications



Linx 9840 Spectrum
High contrast coding on dark products

Making printing one less thing to worry about

For more information, please contact:

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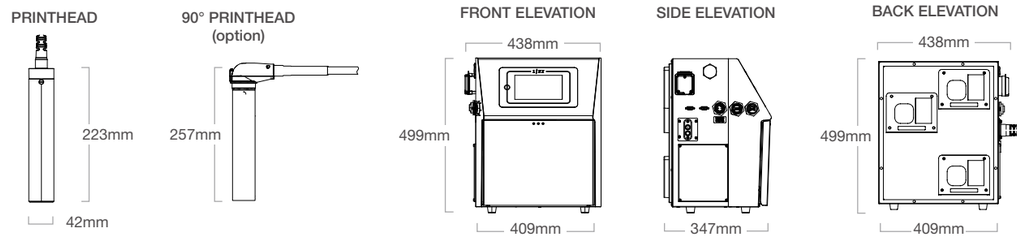
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9800 Series

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Technical Specifications

		LINX 9810	LINX 9820	LINX 9830	LINX 9840	LINX 9840 SPECTRUM
LINES OF PRINT		Up to 2	Up to 3		Up to 6	
MK11 MINI PRINTHEAD (50 µm)						
CHARACTER HEIGHT RANGE			1.2mm to 9mm	1.2mm to 9mm	1.2mm to 11.2mm	1.2mm to 9mm
MAXIMUM SPEED	**ONE LINE PRINT (5 DOT HIGH)**		4.39 m/s (0.43mm drop pitch)	6.28 m/s (0.43mm drop pitch)		
	TWO LINE PRINT (7 DOT HIGH)		1.25 m/s (0.43mm drop pitch)	1.57 m/s (0.43mm drop pitch)	2.44 m/s (0.43mm drop pitch)	
RECOMMENDED DISTANCE FROM SUBSTRATE	**(STANDARD)**		4mm (8mm available up to 16 dot high printing only)			
MK11 MIDI PRINTHEAD (62 µm)						
CHARACTER HEIGHT RANGE		1.8 to 9mm	1.8 to 20mm			1.8 to 16mm
MAXIMUM SPEED	**ONE LINE PRINT (5 DOT HIGH)**	2.92 m/s (0.37mm drop pitch)	6.25 m/s (0.47mm drop pitch)		7.50 m/s (0.47mm drop pitch)	
	TWO LINE PRINT (7 DOT HIGH)	1.46 m/s (0.37mm drop pitch)	2.46 m/s (0.43mm drop pitch)		2.65 m/s (0.43mm drop pitch)	
RECOMMENDED DISTANCE FROM SUBSTRATE	**(STANDARD)**	12mm				
	(CARTON CODING MESSAGE STYLE)		35mm			
MK11 MIDI PLUS PRINTHEAD (75 µm)						
CHARACTER HEIGHT RANGE			2.1 to 20.1mm			2.1 to 17mm
MAXIMUM SPEED	**ONE LINE PRINT (5 DOT HIGH)**		7.28 m/s (0.57mm drop pitch)		9.10 m/s (0.57mm drop pitch)	
	TWO LINE PRINT (7 DOT HIGH)		2.38 m/s (0.52mm drop pitch)		2.56 m/s (0.52mm drop pitch)	
	SUPER-FAST TOWER PRINT (5 DOT HIGH)				10 m/s (0.63mm drop pitch)	
RECOMMENDED DISTANCE FROM SUBSTRATE	**(STANDARD)**		20mm			
	(CARTON CODING MESSAGE STYLE)		45mm			
	(HIGH SPEED CABLING)					5mm
PRINTHEAD		Unique AutoFlush automatic printhead flushing and conduit clearing				
		2m conduit	2m conduit, 4m conduit (option).			
		60mm minimum bend radius in static applications. 180mm minimum bend radius in dynamic applications.				
			90° printhead with 270° degree adjustable positioning (option)			
			Positive air purge for dusty or humid environments (option)			
			Air dryer (provides improved reliability for certain inks at high humidity and temperature) (option)			
SERVICING OPTIONS		Self-service or engineer visit				Engineer visit only
EASI-CHANGE® MODULE SERVICE INTERVAL	**DYE BASED**	Up to 12 months (6,000 hours)		Up to 12 months (9,000 hours)	Up to 18 months (13,000 hours)	
	SOFT PIGMENTED		Up to 12 months (6,000 hours)			
	HARD PIGMENTED					Up to 12 months (8,000 hours)
SERVICE MONITORING						On-screen system monitoring to measure key ink system and environmental parameters
EXTENDED SHUTDOWNS WITHOUT FLUSHING OR DRAINING		Up to 3 months				Up to 28 days
LINX PRINTPROTECT® BATTERY		Contains rechargeable Lithium-ion battery as standard				
LINX IRIS® VISION SYSTEM		Compatible with all models (option), refer to Linx Iris Technical Specifications				
LINX SURECLEAN® WASH STATION		Compatible with all models (option), refer to Linx SureClean Technical Specifications				
USER INTERFACE		7-inch full colour touch screen with tough, solvent-resistant polymer cover				
PUMP		Fit-for-life ink pump with no scheduled changes required				
PRODUCTION MEASUREMENT TOOLS		Linx PrinterNet® printer health and production monitoring with remote control (VNC) (option)				
		Total print count, message count and batch count. On-screen output rate measurement and production stoppage log. Downloadable onto USB device				



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USER INTERFACE FUNCTIONS	Customisable printhead cleaning reminders by running hours or calendar days				
	Password-protected functions, with customisable user profiles				
	Quick operator language selection from all screens, secondary keyboard for multi-language printing				
	Simple on-screen guidance wizards for multiple functions including line speed and shaft encoder setup, printhead cleaning, and fluid refill				
MESSAGE CREATION	Prompted fields for one-step message editing with customisable on-screen prompts, Automatic date forward function (Add seconds, minutes, or hours to current time, or days, weeks, or months to current date), Height, width and delay functions for easy code sizing and positioning, Shift coding (message content changes automatically at defined times)				
					‘Production Schedule’ function, to print a sequence of messages automatically, with different triggering and repeat print options
	Message selection, creation and editing from a PC using Linx Message Studio™				
			GS1 Data Matrix code builder		
MEMORY	Up to 1000 messages can be stored using internal printer memory, more can be stored on a USB storage device				
	Up to 4 line settings can be stored, with individual line names		Up to 50 line settings can be stored, with individual line names		
	Message, line and printer settings backup, copy and restore using USB storage device				
MESSAGE SELECTION			QuickSwitch® message selection, remote field update and message select-and-populate text field, using barcode scanner		
	Message selection using product images				
PRINT CAPABILITIES	Text, Symbols, Numbers, Dates, date rounding (using the printer’s internal clock), Times, Graphics, Logos				
	Rotated character (tower) printing, Inverted printing, Bold character printing (up to 9 times)				
	Variable character spacing and inverse image printing, for improved readability and vision system recognition				
	Sequential numbering (forward and backward counting)	Sequential numbering (forward and backward counting, variable intervals)			Sequential numbering (forward and backward counting, variable intervals, multiple number ranges, alphanumeric sequencing)
	One-touch sequential number reset option from the printer screen, and reset using external trigger				
			Barcodes (ITF 2 of 5, Code 39, Code 128, EAN 13, EAN 8, UPCA, Pharmacode, Data Matrix, GS1 Data Matrix, QR, RM4SCC-Type C)		
			Dynamic orientation for printing on traverse applications (option)		
	Accurate marking at regular intervals i.e. ‘metre marking’, with rollback to detect lines running backwards and high precision calculation options				
			Sequential text fields, increment and reset sequences using external triggers, optional one-touch sequence reset from the printer screen		
INK AND SOLVENT	On-screen fluid level indicators, up to 12 hour running from fluid refill warning to printer stop				
	Mistake-proof, mess-free ink and solvent refilling while printing (0.5 litre ink cartridge, 1 litre solvent cartridge)				
	Dye based black and colours	Dye based black and colours, and Soft pigmented colours			Hard pigmented white and colours
			Active Airflow Control for lower solvent consumption (option)		
CONNECTIONS	Multiple protocols to connect with other equipment including REST interface, Extended QuickSwitch and RCI				
	2 x D-type connectors for Product Detector, Shaft encoder/second product detector, Quadrature encoders for direction applications, and Vision camera				
	Alarm connector for External Single stage alarm output (24v)				
	Ethernet for Linx Remote Communications Interface (RCI), REST, Linx Message Studio and Linx PrinterNet				
	USB for graphics and logos import, data backup, barcode scanner and Wifi Connection for Linx PrinterNet				
	Volt-free contact alarm connection (option), Multi-stage Alarm output (24v and volt free) (option)				
BASE & ENCLOSURE	Stainless Steel				
ENVIRONMENTAL PROTECTION RATING	IP55				
OPERATING TEMPERATURE RANGE	5-45°C (0-50°C for Linx 1240 ink type)				5-45°C
HUMIDITY RANGE (R.H., NON-CONDENSING)	90% max				
POWER SUPPLY	100-230V, 50/60Hz				
POWER CONSUMPTION	38W (typical when printing)				
POWER RATING	120W				
WEIGHT	21.1kg (including fluids and 2m printhead)				23kg (including fluids and 2m printhead)
REGULATORY APPROVALS	CE UL CAN/CSA FCC BIS				