

# Gx-OEM – Clean. Clear. Coding.

The **Gx-OEM** printer is a fit and forget Thermal Ink Jet (TIJ) solution that integrates seamlessly with packaging machinery; it is designed to be fitted into control cabinets. All operation, label creation, and editing can be done on-board via the user's HMI. The small printheads easily fit on production lines and can be mounted up to 25m from the controller.



## Easy to integrate

- ◆ Optimised for control cabinets the **Gx-OEM** controller is only 6.4x20x15.9cm.
- ◆ Versatile printhead variants to support wide range of applications:  
Standard range: 12.7mm high and includes a compact printhead option.  
EXT range: up to 26.1mm per printhead for larger codes, all without the need to stitch.  
OPT range: 13.5mm codes with a higher throw distance (up to 10mm) for special applications.
- ◆ Flexible connector options (front, back and top) on all variants.
- ◆ Fieldbus options like EtherCAT and Ethernet/IP: fast data transfer, integration with PLCs and precise synchronisation for motion control systems.
- ◆ Track & trace and item level serialisation via Dynamark protocol: 21 CFR Part 11 compliant, audit trail with comprehensive user administration, validation documentation available.

## Easy to operate

- ◆ Easy remote operation and monitoring via web browser.
- ◆ Automatic cartridge recognition and ink parameter setting.
- ◆ Continuous Operation: for uninterrupted production, the **AutoSwap** functionality enables cartridge change while printing. A Bulk Ink system is available for long-run operation without the need for any operator intervention.
- ◆ Operate four printheads from one controller for multiple individual applications, or to code label heights up to: 50.8mm (standard), 104.3mm (EXT) or 54.2mm (OPT).

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- ◆ Graphic printing quality on paper, card, plastic, metal, and many other materials.
- ◆ Flexible label design: text, counters, clocks, graphics, logos, barcodes can all be included on the same label.
- ◆ Grade A code readability (ISO 15415) using Domino's inks on high density datamatrix codes (module size 40x40, ≤ 169 characters).

[www.domino-printing.com](http://www.domino-printing.com)



# A complete solution



Our services are designed to provide operational insight so you can eliminate downtime and maximise production efficiency.

## Operational support

Our **SafeGuard** packages provide high-quality, on-site assistance, and AR-enabled remote guidance from our engineers, helping us be with you when you need us most.

## Automatic code inspection

Automate your code inspection to validate code presence, placement, and readability with Domino's range of vision control systems, R-Series. This ensures every code that leaves your factory is present correct and frees up operator time.

## Control software

Minimise errors using Domino's **QuickDesign** software. Control your product codes from a central location and streamline product changeovers. **QuickDesign** uses standard communication protocols and can be integrated into existing ERP systems.

## Smart production

Gain operational insight by connecting your printer to **Domino Cloud**. Obtain production analytics dashboards and receive system error alerts. **Domino Cloud** provides you with information to run your operations more efficiently.

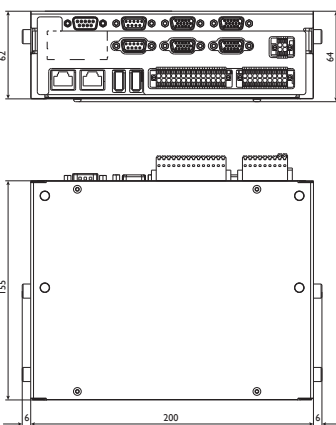


## Technical specification Gx-OEM

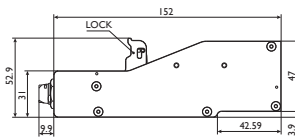
	Standard	Compact	EXT	OPT
<b>Controller specifications</b>				
Controller dimensions	height: 64mm, width: 200mm, depth: 159.2mm, weight: 0.692kg			
<b>Printhead specification</b>				
Printhead dimensions (TOP variant including connector)	height 162mm, width 28.5mm, depth 52.9mm, weight 0.22kg	height 104.5mm, width 28.5mm, depth 111.1mm, weight 0.29kg	height: 162mm, width: 29.7mm, depth: 68.9mm, weight 0.27kg	height: 158mm, width: 35.7mm, depth: 78mm, weight 0.31kg
Printhead cables	1.5, 3, 6, 12 or 25m			
Printheads per controller	Up to 4 printheads for increased message height or individual printing on up to 4 different print positions			
Print height	1 printhead: 12.7mm 2 printheads: 25.4mm 3 printheads: 38.1mm 4 printheads: 50.8mm		1 printhead: 26.1mm 2 printheads: 52.2mm 3 printheads: 78.2mm 4 printheads: 104.3mm	1 printhead: 13.5mm 2 printheads: 27.1mm 3 printheads: 40.6mm 4 printheads: 54.2mm
Print speed and horizontal resolution*	up to 300m/min at 60dpi to 30m/min at 600dpi			high speed mode enabled: up to 228m/min at 60dpi to 22m/min at 600 dpi high speed mode disabled: up to 150m/min at 60dpi to 15m/min at 600 dpi
<b>Ownership specification</b>				
External connection options	2 encoders, I/Os for beacons, product detects or other, 2 USBs (type A), RS232C, 2x LAN			
Power connector	S2C 3.5mm, 4-way, terminal block			
Electrical supply	24V DC, 4 A			
Controller operating temperature	0° - 45°C (32° - 113°F)			
Operating relative humidity	20 - 80% RH (non condensing, 10°C increase per hour)			
Controller finish	Stainless steel			
Communication	Ethernet / Dynamark protocol, EDC (serial, TCP, USB) optional: fieldbus protocol			
User interface	<b>QuickStep</b> via customer HMI			
Continuous operation options	Bulk Ink system for long-run operation, <b>AutoSwap</b> for uninterrupted production			
<b>Consumables**</b>				
Inks	A range of fast drying water and solvent based inks for porous and non-porous substrates, black, colours, and specialist inks			
<b>i-Techx</b> features	Automatic ink cartridge detection, automatic ink parameter setting, automatic ink level recording			

\* Ink dependent \*\*This product has a Quality Management System that means that it will only work with Domino circuitry, and it uses dynamic security measures to block non-Domino circuitry from being used. From time to time updates to the circuitry will be issued by Domino to maintain the effectiveness of the Quality Management System

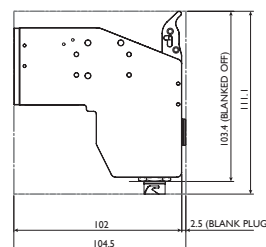
### Gx-OEM unit



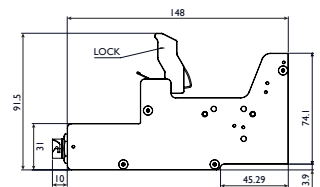
### Standard printhead – Top connector



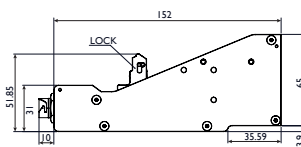
### Compact printhead – Top connector



### OPT printhead – Top connector



### EXT printhead – Top connector



## TALK TO AN EXPERT

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