Mackay GUARDIAN Multi Elite





MacKay multi-space

Key features:

- High strength stainless steel keeps it secure and rust free.
- High-security, large capacity, stainless steel cash box.
- Microsoft® Windows® CE operating system, combined with a 32-Bit ARM® Processor,
- 32 MB of SDRAM and 32 MB of Flash memory.
- Flexible, modular design that is easy to upgrade, service and maintain.
- Powerful off-site monitoring capabilities by adding a communications kit and Sentinel ™ Meter Management System. Monitor your equipment remotely, generate reports, and receive alerts, no matter where you are.
- Comprehensive and easy-to-use configuration menus.
- ADA Compliant.
- Features a color VGA Liquid Crystal Display with back light, capable of displaying graphics.
- English? Español? Français? The multi-language capability allows users to select the language of their choice to carry out transactions.
- Offer end users security, convenience, and reject fraudulent payment. Use MacKay's On-line Real-time Credit Card Approval feature utilizing secure PCI compliant electronic payment processes.
- MacKay Meters backs its product lines with a solid warranty based on the confidence in the quality of its products.

<over for specifications>



Colour Display



Solar Option



Illuminated LED Accept & Cancel

www.mackaymeters.com





SPECIFICATIONS

General Specifications

Environmental

- Extended operating temperature range1: -29 $^{\circ}$ C (-20 $^{\circ}$ F) to 60 $^{\circ}$ C (140 $^{\circ}$ F)
- Humidity: Up to 95% RH (non condensing)

Cabinet Materials, Dimensions & Weight

- Welded reinforced Grade 304-2B stainless steel (9 gauge carbon steel equivalence)² for cabinet and doors
- Aluminium front with Lexan® display covers for the LCD screens, rate/instruction plate, LED panel and site branding display
- Total installed weight (Solar, 40Ahr battery): 113 kg (249 lbs.)
- Overall dimensions: 1524mm (60 inches) (H) x 343mm (13.5 inches) (W) x 295mm (11.6 inches) (D)
- Overall height with solar panel: 2045mm (80.5 inches)

Power Supply Configurations/Options

- AC Single Phase, 110/120/220/240VAC, 50/60 Hz
- Solar powered (20W panel) with 40Ahr or 60Ahr battery

Operating System & Hardware

- Microsoft® Windows® CE operating system
- Latest technology 32 Bit ARM® processor
- Memory 32MB SDRAM 32MB Flash

Communication Options

- Ethernet port can support hardwire (Cat5) cable or addon WiFi devices for local network connection³
- Serial RS232 port can support either GPRS or CDMA (1X) modem³
- Ethernet port can support a line-of-sight pay by space primary/secondary network configuration⁴
- Both wide area or local area pay by space network options are supported, allowing payment for any space, at any machine, at any time
- · Wireless handheld pay by space enforcement available

Payment Systems

- Coins
- Tokens (optional)
- Credit cards utilizing secure, on-line real-time PCI compliant processes (optional)
- · MacKay Smart (Chip) Cards (optional)
- Cell phone payment (optional)
- Bills (optional)

Ticket Printing

- Thermal printer offers alphanumeric printing in various fonts and languages
- Ticket size: Standard Short 75mm (3 inches) x 57mm (2½ inches) or Long 100mm (4 inches) x 57mm (2½ inches). Other lengths can be specially ordered
- Ticket capacity: 4,000 3-inch tickets per roll

Components

Display

- High contrast, color, sunlight readable, 640 x 480 pixels graphics LCD
- Viewing area 114mm (4.5 inches) x 89mm (3.5 inches)
- Self-adjusting contrast to temperature
- · LED back light

Coin Acceptor

- Programmable: Accepts up to 16 coins or tokens
- Programmed coin acceptance can easily be turned on/off with a switch

Card Reader (Optional)

 Single slot, dual mode card reader captures magnetic stripe (ISO 7810/11) credit card data, and provides an ISO 7816 interface for smart card acceptance

Keypads & Buttons

- Tactile feedback keypad and buttons
- Vandal resistant and rated for resistance to impact, shock and vibration to MIL standards
- Sealed against ingress of water and dust to IP67, and designed for exposed outdoor and extreme environmental conditions
- . New LED accept and cancel buttons that light up.

Printer

- Heavy-duty printer head with minimal moving parts ensuring quality, reliability and endurance
- Print life of over 20 million character lines
- Designed for high-resolution printing
- Guillotine type cutter with full or partial paper cutting options (software selectable)
- Accessible for ease of maintenance

Cash Box

- Two (2) supplied with each machine, each with a convenient carry handle
- Rugged, secure, high-capacity 4.2 litres (1.1 US gallon), stainless steel container
- Self-locking lid on removal, and includes a high security lock/key (unique key codes available upon request)
- Printed audit record produced when cash box is removed from machine (software selectable)

Bill Acceptor (Optional)

- Built-in, integrated bill acceptor
- Bill cassette with 600 or 1000 bill capacity secured in cash vault
- Programmed bill acceptance can easily be turned on/off on-site
- Reads bills inserted in any of 4 directions

Features

Security

- High security locks for cash box, cash vault, and main door
- Seven (7) point locking mechanism on vault door
- System monitored access sensors on main and vault doors and sensor detecting presence of cash box

Audit and Statistic

- Local printouts of grand totals and subtotals for coins, bills and card transactions per type
- Full or quick audit tickets are software selectable

Maintenance

- User-friendly graphic interface tools for diagnostics, configuration and editing
- · Easy access modular design

Configuration

- Flexibility through the MacKay Guardian™ Multi Elite user interface
- User-friendly menus allow selection of tariff, ticket and display files
- Programmable multiple tariff structures such as overlapping period, pre-payment and free ticket
- User interface (display, keypad and dedicated software), provides clear and concise operating instructions, messages, and graphics
- Multi-language capability: any combination of English, French and/or Spanish is available as an option. Other languages available by special order

Web-Based Hosted Sentinel™ Meter Management System (Optional)

- Remotely monitor and generate audit, transaction and occupancy reports for all on-street equipment using a web browser and secure web portal
- Generates a variety of reports including grand totals and subtotals for coins, bills and card transactions per type, which can be exported as PDF or CSV files, or imported into other applications

• Self-locking lid on removal, and includes a high security MacKay Guardian ™ Multi Elite Options

- AC Fan
- AC Heater Kit, includes an AC heater and an AC fan
- Customizable front graphics for main door
- Electronic Lock (vault and maintenance door)
- Keypad feedback buzzer (optionally turned off)
- Solar panel riser
- MacKay's Sentinel™ Meter Management System

Warranty

J.J. MacKay Canada Limited, the manufacturer, guarantees for a period of one year from the date of shipment against defects in workmanship and /or materials.

As our policy is one of continuous product improvement and development, we reserve the right to alter product specification and design.

Photos are representative; product appearance may differ.



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Web

[1] All MacKay Guardian Elite components are operational within this range. Standard sealed lead acid battery operational temperature rating is from

[1] All Mackay duardani¹¹—Elie Components are operaturel rating is -20C (-4f) to 50C (122f) when charging, and from -20C (-4f) to 60C (140f) when discharging.

[2] Independent laboratory tests indicate that all things being equal, a component made of 11-gauge 304-2B stainless steel, would have equal or greater tensile strength, shear strength and malleability, as compared to the same component made out of 9-gauge carbon steel.

[3] May require additional Mackay Guardian^{1M} Multi Elite software modules, or 3rd party hardware.

[4] Length of run limitations must be observed; primary machine is AC powered and network hub required.

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