Honeywell
THE POWER OF CONNECTED | Printers

A-Class Mark II

Print Engines for OEM Applications

When the demands of your high-performance print-and-apply applications require more features than existing print engines offer, it's time to move up to the A-Class Mark II.

The A-Class Mark II family of advanced print engines is designed for high-demand, multi-shift applications requiring fast throughput and proven reliability. The design allows for quick and easy replacement of the platen roller and printhead, which minimizes downtime and improves efficiency.

It also includes innovative design features, such as:

- Stainless-steel cabinet – rugged, yet easy to clean
- Stainless-steel hardware components
- A modular design for enhanced serviceability
- Coated-side-in or coated-side-out thermal-transfer ribbon assembly
- An intuitive, graphic menu navigation display with an optional 152.4 mm (6 in) remote display for access when print engines are in hard-to-reach areas

Designed for print-and-apply applicator integration, the A-Class Mark II utilizes the industry-recognized Honeywell Datamax-O'Neil firmware architecture with maximum connectivity options for industry-standard communications interfaces. The A-Class supports the industry-recommended OEM 5-bolt mounting connection for seamless integration into your system. PL-Z (Zebra) printer language emulation allows you to seamlessly integrate the A-Class into existing solutions without changing label formats. The A-Class is also outfitted with the proactive IntelliSEAQ printhead diagnostic tool. The A-Class Mark II is available in either 101.6 mm (4 in) or 152.4 mm (6 in) widths and is one of the only print engines to offer 203-, 300-, 400-, and 600-dpi resolution in either right-hand or left-hand orientation.



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FEATURES & BENEFITS

A stainless-steel cabinet protects your printer for years of service in rugged and extreme environments.

Expanded connectivity includes four types of communication ports as standard features: 10/100 LAN, USB, Serial, and Parallel.

Seamlessly integrates into most existing solutions using PL-Z and PL-I language emulation without changing code.

A large graphic display enables easy navigation, advanced setups, and simple operator use.

Fully integrated UHF RFID solutions are also available.

A-Class Mark II Technical Specifications

MECHANICAL

Dimensions (H x W x D):

4 in version: 299 mm x 246 mm x 390 mm (11.81 in x 9.67 in x 15.35 in)

6 in version: 299 mm x 246 mm x 441 mm (11.81 in x 9.67 in x 17.35 in)

Weight:

4 in version: 15.3 kg (34 lbs)

6 in version: 16.8 kg (37 lbs)

Clock: Built-in, real-time world clock

ENVIRONMENTAL

Operating Temperature: 4°C to 38°C (40°F to 100°F)

Operating Humidity: 10% to 90%, non-condensing

Storage Temperature: -40°C to 60°C (-40°F to 150°F)

Storage Humidity: 5% to 95%, non-condensing

Dust: Non-conducting, non-corrosive

Electromagnetic Radiation: Moderate RF fields can be tolerated

PRINT TECHNOLOGY

Printer Type: Direct thermal, optional thermal transfer, right-hand or left-hand versions available

Print Length Range: 6 mm to 254 cm (0.25 in to 100 in)

Maximum Print Width:

A-4212: 104 mm (4.1 in)

A-4310: 105.7 mm (4.2 in)

A-4408: 104 mm (4.1 in)

A-4606: 105.6 mm (4.2 in)

A-6212: 168 mm (6.6 in)

A-6310: 162.6 mm (6.4 in)

Print Speed/Resolution:

A-4212: 304 mms (12 ips), 8 mmps (203 dpi)

A-4310: 254 mms (10 ips), 12 mmps (300 dpi)

A-4408: 203 mms (8 ips), 16 mmps (406 dpi)

A-4606: 152 mms (6 ips), 24 mmps (600 dpi)

A-6212: 304 mms (12 ips), 8 mmps (203 dpi)

A-6310: 254 mms (10 ips), 12 mmps (300 dpi)

Memory: 8 MB Flash, 16 MB DRAM

POWER SOURCE

Electric: Auto-ranging switching type

AC Input Voltage Range: 90 to 132/180 to 264 VAC @ 47 to 63 Hz, auto-ranging

Power Consumption:

A-4xxx models: 200 W typical operating, 25 W standby

A-6xxx models: 220 W typical operating, 25 W standby

Printhead Protection: Thermistor sensor shutdown with over-temperature occurrence, and automatic printing resumption after cooling

COMMUNICATION

Communication Ports (Standard 4 Port): Serial RS-232, parallel bi-directional, Ethernet-wired LAN 10/100, USB 2.0 compatible, GPIO applicator card

Communication Ports (Optional): Wireless 802.11 b/g, USB-host, SDIO memory slot

MEDIA

For optimum print quality and printer performance, use certified Honeywell media supplies.

Media Types: Wound-out labels only and tag stock; roll-fed, die-cut, notched, reflective, continuous, and fan-fold, flat printable side, with no more than 0.018 mm (.0007 in) protrusions on the opposite side

Media Thickness Range: 0.06 mm to 0.25 mm (0.0025 in to 0.01 in)

Media Width Range:

A-4212, A-4310, A-4408, A-4606: 25 mm to 118 mm (1 in to 4.65 in)

A-6212, A-6310: 50 mm to 170 mm (2 in to 6.7 in)

Ribbon Types: Coated-side-in or coated-side-out

Maximum Ribbon Length: 650 m (2,132 ft)

Ribbon Core Sizes: 25.6 mm ± - 0.2 mm (1.01 in ± - 0.006 in)

AGENCY APPROVAL

Contact your Honeywell sales representative for the most recent list of agency approvals.

BARCODES/FONTS/GRAPHICS

Barcodes:

Linear: Code 3 of 9, UPC-A, UPC-E, Interleaved 2 of 5, Industrial 2 of 5, Std 2 of 5, Code 11, Code 93, Code 128, EAN-8, EAN-13, HIBC, Codabar, Plessey, UPC 2 and 5-digit addendums, Postnet, UCC/EAN Code 128, Telepen, Planetcode, FIM, USPS-4 State

2D Symbologies: MaxiCode, PDF417, USD-8, Datamatrix, QR Code, Codablock, Code 16k, Aztec, TLC 39, Micro PDF417, GS1 Databar

Resident Fonts: Ten alphanumeric fonts from 2.5- to 23-point size, including OCR-A, OCR-B, CG Triumvirate smooth font from AGFA

Scalable Fonts: CG Triumvirate Bold Condensed, CG Triumvirate, and CG Times with Cyrillic, Greek, Arabic, and Hebrew character support

Downloadable Font Types: TrueType, Bitmap

Character Set: More than 50 resident character sets; Unicode/UTF8 support

Font Expansion: All fonts expandable vertically and horizontally up to 24x

Font Rotation: Fonts and graphics can be printed in four directions: 0°, 90°, 180°, and 270°

Graphics Supported: .pcx, .bmp, and .img files

Reversible Field/Mirror Image: Any font or graphic field can be printed as a normal or reverse image

ILPC (International Language Print Capability): Kanji Gothic B Scalable, Korean Hangul, Simplified Chinese GB

SOFTWARE/FIRMWARE

DMX Config: Complete printer setup utility

DMX NetManager

Embedded network web pages

Drivers: Microsoft® Windows® NT, Windows XP, and Windows Vista

Universal Printer Command Language: PL-Z (Zebra), PL-I (Intermec), PL-B (Boca)

A-Class Mark II Technical Specifications, continued

OPTIONS

Cutter
Internal Wireless LAN (DMXrfNET II)
Pinch Rollers (factory-installed)
Remote Front Panel Display with 1.8 m (6 ft) Cable
RFID (encodes EPC Class 1/Gen 2 tags)
Ribbon Saver (factory-installed)
Thermal Transfer (factory-installed)
SDIO/USB Host Interface

WARRANTY

Standard Warranty: Covers platen roller, printhead, and installed options when used with approved supplies

Printer: 1 year

Printhead: 1 year or 25,400,000 mm (1,000,000 in), whichever comes first

Extended Warranty: Contact your Honeywell sales representative for extended warranty options available through Honeywell Repair Services.

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance.

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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