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 new 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, making it rugged in harsh environments and 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, full graphic menu navigation display with an optional 6" 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 Datamax-O'Neil by Honeywell firmware architecture with maximum connectivity options for industry-standard communications interfaces. The A-Class supports 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

The A-Class Mark II family of advanced print engines is designed for high-demand multi-shift applications requiring fast throughput and proven reliability.

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.

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 available.

Technical Specifications

PHYSICAL CHARACTERISTIC
Dimensions (HxWxD): 101.6 mm (4.0 in) 152.4 mm (6.0 in)
Weight 15.3 kg (34 lbs)
Clock: Built-in, real-time

USER ENVIRONMENT
Operating Temperature: 4°C to 38°C (40°F to 100°F)
Operating Humidity: 10% to 90% noncondensing
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
Type: Direct thermal, optional thermal transfer, right-hand or left-hand versions available
Print Length Range: 6 mm (0.25 in) to 2,539.8 mm (100 in)
Print Speed:
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

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): Serial RS232, parallel bi-directional, Ethernet-wired LAN 10/100, USB 2.0 compatible, GPIO applicator card,
Communication Ports (Optional): Wireless 802.11b/g, USB-host, SDIO memory slot

MEDIA
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 (0.0025 in) to 0.25 mm (0.01 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 ± - 0.006 in) inner diameter, core not to protrude beyond the ribbon edge
For optimum print quality and printer performance, use certified Honeywell media supplies.

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

BARCODES/FONTS/GRAPHICS
Memory: 8MB Flash, 16MB DRAM
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, Codeablock, 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 & CG Times with Cyrillic, Greek Arabic and Hebrew character support
Downloadable Font Types: True-Type, Bitmap
Character Set: More than 50 resident character sets; Unicode/UTF8 support
Font Expansion/Rotation: All fonts expandable vertically and horizontally up to 24x; 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, Windows® drivers - NT, XP, Vista
Universal Printer Command Language: PL-Z (Zebra) and PL-I (Intermec)

OPTIONS
Cutter
Internal Wireless LAN (DMXrfNET II)
Pinch Rollers (factory installed)
Remote Front Panel Display with 1,828.8 mm (6 ft) Cable
RFID (encodes EPC Class 1/Gen 2 tags)
Ribbon Saver (factory installed)
Thermal Transfer (factory installed)
USB host/SDIO

WARRANTY
Standard Warranty:
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
* Covers platen roller, printhead and installed options

Honeywell