



RFID LABEL PRINTERS FROM **BOWE IQ**

- > **ONE-STOP PRINTING AND ENCODING**
 - > **COMPACT, ROBUST AND RELIABLE**
 - > **ON-METAL AND STANDARD LABELS**
 - > **IMPROVED OPERATIONAL EFFICIENCY**
- > **EASY INTEGRATION WITH IOT SYSTEMS**
 - > **IDEAL FOR A WIDE RANGE OF USES**

For high-speed UHF RFID encoding, BOWE IQ offers a label printer for every application. From the high-volume T6000e that can print up to 10,000 labels per day to the mobile Alpha-40L for printing at the point of need, there is a solution for every business requirement.

In summary, our printers significantly enhance productivity, accuracy, and overall efficiency in any setting that relies on RFID technology, such as logistics, supply chain management, retail, manufacturing, healthcare, and asset tracking.

In fact, when it comes to fulfilling your RFID needs, BOWE IQ offers a comprehensive, one-stop-shop approach that is backed by decades of experience creating smart IoT solutions. From printers, labels, and portals to seamless integration with an advanced BOWE IQ IoT system, we can cover every aspect of your hardware and software requirements.



BOWE
IQ

SPECIFICATIONS



TSC
The Smarter Choice

T6000E ENTERPRISE-LEVEL INDUSTRIAL PRINTER

For high-volume applications of up to 10,000 labels per day



RFID SYSTEM

Encoding: RAIN/UHF

Standard: GS1 EPC Gen2 v2/ISO 18000-63

Antenna: Internal adjustable & external fixed

Printer Languages: PGL, ZGL, STGL, MGL

RFID LABELS

Types: Standard/On-Metal/Other

On-Metal Tags: Thickness up to 2.2mm (0.088")

Label Pitch: Down to 16mm (0.625")

RFID Label Calibration: Automatic

CHIP (IC)

Includes Alien, Asygn, Axzon, EM Micro, Fudan, Impinj, Kiloway, NXP, Tego

RFID DATA VALIDATION

Encoding Failures: Full/Partial Label Overstrike (Depends on label length)

RFID Label Counter: Tracks good/bad labels

PRINT RESOLUTION

203dpi, 300dpi, 600dpi

MAX PRINT SPEED

4" 14ips@203dpi, 12ips@300dpi, 6ips@ 600dpi

6" 12ips@203dpi, 10ips@300dpi

MAX PRINT WIDTH

4.1" (104.14mm), 6.55" (166.37mm)

MEDIA HANDLING

Tear, Cutter

4", internal antenna only:

Peel/Rewind, Batch/Rewind

INTERFACES

Standard: Ethernet, USB Host/Device, Serial

Optional: 802.11 a/b/g/n/ac, Parallel, GPIO

T800 DESKTOP PRINTER

Designed for lower volume applications of up to 2,500 labels per day



RFID SYSTEM

Encoding: RAIN/UHF

Standard: GS1 EPC Gen2 v2/ISO 18000-63

Antenna: Internal adjustable

Printer Languages: PGL, ZGL, STGL, MGL

RFID LABELS

Labels/Tags: Standard

Label Pitch: Down to 16mm (0.625")

RFID Label Calibration: Automatic

CHIP (IC)

Includes Alien, Asygn, Axzon, EM Micro, Fudan, Impinj, Kiloway, NXP, Tego

RFID DATA VALIDATION

Encoding Failures: Full/Partial Label Overstrike (Depends on label length)

RFID Label Counter: Tracks good/bad labels

PRINT RESOLUTION

203dpi, 300dpi

MAX PRINT SPEED

8ips@203dpi / 6ips@300dpi

MAX PRINT WIDTH

4.1" (104.14mm)

MEDIA HANDLING

Tear

Peel, Cutter (performance may be limited by label construction)

INTERFACES

Standard: Ethernet, USB Host/Device, Serial

Optional: 802.11 a/b/g/n/ac, MFI Bluetooth 5.0

T4000 MID-LEVEL INDUSTRIAL PRINTER

Supports mid-volume applications of up to 5,000 labels per day



RFID SYSTEM

Encoding: RAIN/UHF

Standard: GS1 EPC Gen2 v2/ISO 18000-63

Antenna: External fixed

Printer Languages: PGL, ZGL, STGL, MGL

RFID LABELS

Types: Standard/On-Metal/Other

On-Metal Tags: Thickness up to 1.2mm (0.05")

Label Pitch: Down to 16mm (0.625")

RFID Label Calibration: Automatic

CHIP (IC)

Includes Alien, Asygn, Axzon, EM Micro, Fudan, Impinj, Kiloway, NXP, Tego

RFID DATA VALIDATION

Encoding Failures: Full/Partial Label Overstrike (Depends on label length)

RFID Label Counter: Tracks good/bad labels

PRINT RESOLUTION

203dpi, 300dpi

MAX PRINT SPEED

10ips@203dpi / 7ips@300dpi

MAX PRINT WIDTH

4.1" (104.14mm)

MEDIA HANDLING

Tear, Cutter

INTERFACES

Standard: Ethernet, USB Host/Device, Serial

Optional: 802.11 a/b/g/n/ac, MFI Bluetooth 5.0

ALPHA-40L RFID MOBILE PRINTER

For lower volume applications (up to 1,000 labels per day) at the point of need



RFID SYSTEM

Encoding: RAIN/UHF

Standard: GS1 EPC Gen2 v2/ISO 18000-63

Antenna: Fixed position

Printer Languages: TSPL, ZPL

RFID LABELS

Labels/Tags: Standard

Label Pitch: Down to 16mm (0.625")

RFID Label Calibration: Automatic

CHIP (IC)

Includes Alien, Asygn, Axzon, EM Micro, Fudan, Impinj, Kiloway, NXP, Tego

RFID DATA VALIDATION

Encoding Failures: Full/Partial Label Overstrike (Depends on label length)

RFID Label Counter: Tracks good/bad labels

PRINT RESOLUTION

203dpi

MAX PRINT SPEED

5ips

MAX PRINT WIDTH

4.1" (104.14mm)

MEDIA HANDLING

Tear

INTERFACES

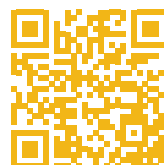
Standard: USB-C with either Wi-Fi 802.11 a/b/g/n/ac or MFI Bluetooth 5.0

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