



IER 560

Fast and Flexible
BARCODE & RFID PRINTER

4 input, high throughput barcode printer for airlines and railways that need flexibility and exceptional performance

4 feed printer for boarding pass, bag tag, ISO tickets and receipts printing, simultaneously

RFID bag tags printing, compliant with IATA RP 1740C (GEN2)

1D and 2D barcode printing on thin and heavy paper

Large autonomy: 3,500 coupons rolls

IER patented simultaneous management of perforated and non perforated paper

Cutter and Burster (automatic selection)

Built-in preventive maintenance alert system

IP/USB/RS 232 connectivity standard

LINUX OS provides AEA support, web configuration and remote monitoring

Options:

- Front feed barcode reader
- Contactless card reader
- Paper stock trolley with motorized stacker

The IER 560 is an innovative, multi-functional, non-magnetic direct thermal printer designed for high volume ticket printing applications for the Airline and Rail Industries. The IER 560 is a compact, flexible 4 channel printer that can print Boarding passes (or ATB1 tickets), Bag Tags, ISO tickets or receipts simultaneously. The IER 560 prints high quality 1D and 2D barcodes and uses proven, industrialized components for a highly robust and reliable design.

The IER 560 offers an optional RFID encoding module, internal to the machine, for contactless RF bag tags or ISO tickets. Agents or passenger can read RFID tickets directly from the exterior of the machine.

The IER 560 also includes an optional front feed barcode scanner for the reading and re-validating of barcoded tickets.

The 4 input channels of the IER 560 can be configured as:

- 2 Boarding Pass/ATB1 + 2 Bag Tags/ISO tickets or
- 3 Boarding Pass/ATB1 + 1 Bag Tag/ISO tickets or
- 1 Boarding Pass/ATB1 + 3 Bag Tag/ISO tickets.





The IER 560 prints high quality 1D and 2D barcodes (including PDF417, Datamatrix, Aztec and QR Codes) on both boarding pass and bag tag stocks.

A single machine can manage simultaneously RFID enabled ISO card stock or bag tags as well as standard non-RFID Boarding Pass/ATB1 ticket stock and receipts.

Modular design for accessibility and low TCO

The IER 560 uses a very modular design for its internal and critical components to substantially decrease intervention and repair time:

- The cutter/burster module as well as the print head module are designed to be easily and quickly removed and replaced.
- Once replaced, modules are automatically adjusted ensuring a reliable printing with no need for time consuming adjustments.
- The paper feed module is also completely accessible.
- A full set of adjustment and testing software are integrated into the printer. They can be used either at the workshop or on site.
- LED's are integrated on the paper path to indicate failing modules.

Performance, comfort of use and ergonomics

The IER 560 is easy to install. Thanks its inclined and recessed paper feed, paper stocks can be installed behind the printer as well as under the printer. Motorized paper loading is simple and automatic. The IER 560 detects each paper stocks width and length to ensure a proper alignment during loading.

The IER 560 presents a simple and intuitive user interface: the front access panel includes a 4 keys navigation pad, 4 LED's and a 4 lines x 20 characters text display to provide a simple access to the configuration and the main functions of the printer. There is also a stacker included in the machine to bring high comfort of use.

The IER 560 offers high speed of treatment and printing. There is no interruption to switch from one stock to the other and a speed up to 10 inches per second with high heat sensitive paper is reachable. The printer is able to pull the very large and heavy 3,500 tickets ATB paper roll to ensure large tickets autonomy.

Innovative design to guarantee longevity and reliability

The IER 560 uses an innovative design, based on simplicity and reduction of parts to create an efficient and reliable design.

- No parts erosion by paper: paper edges are never in contact with any plastic parts
- All rotating shafts are mounted on bearings: drastically reduces the tear and wear
- Work with only two motors
- IER Patented system to protect printhead when printing ISO or BT tickets: printhead cannot be damaged by the platen roll
- Built-in preventive maintenance system: automatically compensates itself for dust and wear

Security/Anti-fraud Features

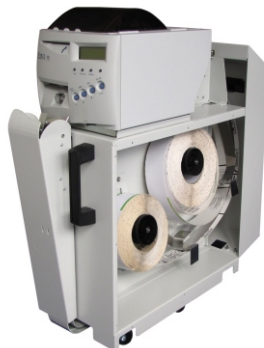
The IER 560 uses an optional front feed, barcode reading and printing re-validation process which provides a level of security since the ticket to be re-validated must be completely inserted into the printer, is read, re-validated and marked with the new info while inside the printer. This eliminates the possibility of fraud during a revalidation procedure.

New LINUX based architecture

The IER 560 uses a totally new electronic architecture that is common to all new IER printers and readers. This new architecture is based on a modular electronic approach using a LINUX operating system.

A web server based software residing in LINUX board provides the ability to:

- Configure printer parameters by web browser,
- Supervise and monitor the equipment.



IER 560 on its trolley (optional)

Mechanical characteristics-

- Dimensions: d=306 mm, w=220 mm, h=220 mm
- d= 12.1 in, w=8.6 in, h= 8.6 in
- Weight: 9 kg (19.84 lbs)

Power Supply

100V - 240 V, 50Hz/60Hz

Connectivity

- 2 x RS232
- 1 x USB 2.0 "device", 1 x USB "host"
- 1 x TCP/IP 10/100 mps Ethernet

Paper driving and cutter module

- Unique cutter and burster module, automatically selected
- Fixed or programmable automatic format paper detection

Paper supply channels

- Number of supply channels: 4 channels
- Channels management is configurable:
 - 3 + 1 (3 Boarding Pass/ATB1, 1 Bag Tag/ISO) or
 - 2 + 2 (2 Boarding Pass/ATB1, 2 Bag Tag/ISO) or
 - 1 + 3 (1 Boarding Pass/ATB1, 3 Bag Tag/ISO)
- The printer switches automatically to the next channel when the previous one is empty.
- Loading: automatic paper loading mechanism and paper detection

Printer module

- Technology: thermal direct, 203 dpi.
- Barcode printing: all 1D and 2D including PDF417, Datamatrix, Aztec and QR Code
- Printing Speed: 8-10 inches per second (adjustable depending on paper quality and barcode/logo clarity required)
- Width of accepted documents: 50 mm (2 in) to 83 mm (3.25 in)
- Printed width: up to 82,5 mm (3.24 in)
- Paper weight: 80 g/m² to 370 g/m²

Options

Contactless card encoding module

- Contactless encoding: ISO 14443 A/B/C compliant
- Embedded, internal encoder that can be used to encode external travel cards as well

Barcode Reader

- Additional 1D 2D barcode imager
- CCD array, non-laser
- All 1D and 2D symbologies

RFID Bag Tag encoding (UHF)

- IATA RP 1740c compliant Gen2 Class 1

RFID Document encoding (HF 13,56 MHz)

- External reading/encoding capability

Paper Stock Trolley

- 2 paper bin trolley for 1 x Boarding Pass stock and 1 x Bag Tag stock
- 4 paper bin Trolley for 2 x Boarding Pass stocks and 2 x Bag Tag stocks or 1 x Boarding Pass stock and 3 x Bag Tag stocks
- See IER 560 trolley brochure for further information

Software

- Fully AEA compatible
- LINUX OS
- Embedded web server
- Built-in monitoring
- Remote configuration, diagnostics and monitoring via Web Browser

Agency Approvals

EC directives, FCC, compliant with OSHA standards with reference to federal code 29 CFR Part 1910, compliant with standard IEC 60950-1 plus national deviations.

Environmental

- Operating Temp: +5°C to +40°C (+41°F to +104°F)
- Storage Temp: -20°C to +60°C (-4°F to +140°F)
- Operating Humidity: 20% to 80% (non condensing)

www.ier.fr

IER is a registered trademark of IER, SA. Public limited company having a capital of: Euros 12,560,030
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