



## Brady RFID Integrated label (B-1000 Series)

[BradyID.com/RFID](http://BradyID.com/RFID)

### Efficient cradle to grave traceability

The B-1000 Series leverages Brady's material science expertise with advanced RFID technology to offer a new reliable, robust and easy to use RFID tracking solution for flyable parts in the Aerospace industry.

B-1000 is a versatile RFID label that functions equally well both **on and off metal** and for parts in either controlled environments found in the main cabin and in the exterior locations where wide fluctuations in temperatures, pressures and humidity make part marking and its durability appreciably more challenging. The label design offers **easy attachment** through a pressure sensitive adhesive. Brady's combined proprietary topcoat and ribbon technology provide **durable print** without the need for an over laminate or clear coat. In addition, Brady B-1000 is flexible to fit curved surfaces such as aircraft oxygen generators.

#### Reliable

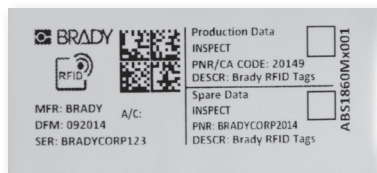
- Single step, in-line workflow allows for a simple, efficient and error-proof standard operating procedure
- Print-on-demand: the B-1000 label is printed and coded simultaneously ensuring full compliance to ATA Spec 2000

#### Robust

- Durability: B-1000 is engineered to ensure part integrity, attachment to both metal and composite surfaces and to resist exposure to extreme environmental conditions
- Rugged One Time Programmable (OTP) memory: the integrated RFID chip ensures incorruptible storage and retention of asset data

#### Easy to use

- Ultra-light weight construction: B-1000 labels weigh less than 2g
- Read range: the patented design maximizes read range on and off metallic surfaces



**Brady B-1000 Series supports the ATA dual-record or multi-record tag specifications for flyable parts.**

Technical Specifications	Low Memory 1kB Dual-record	High Memory 8kB Multi-record
Reserved Bank	32-bit Kill Password and 32-bit Access Password	
EPC Bank	Up to 496-bit EPC identifier	
TID Bank	96-bit Tag Serial Number using XTID format   Compatible with TDS 1.7	
User Memory	7,424 bits total	70,686 bits total
Region 1	4,096 bits (512 bytes) Archival memory, auto locking on word (16-bit boundaries), no additional commands required.	65,536 bits (8,192 bytes) Archival memory, auto locking on word (16-bit boundaries), no additional commands required.
Region 2	3,328 bits (416 bytes) Rewritable Memory Space	5,152 bits (644 bytes) Rewritable Memory Space

Attribute	Brady B-1000 Series
Dimensions	Large 70 mm x 32 mm Medium 55 mm x 25 mm Small 35 mm x 25 mm
Read Range	0.8 m in Free Air / 0.8 m On Metal
Overall Thickness	< 2 mm
Weight	< 2g
Operating Temperature	-67°F to 185°F / -55°C to 85°C
Minimum Application Temperature	50° F / 10° C
Installation Areas	Pressurized & Non-pressurized
Air Interface	Fully passive; EPCglobal Class 1 Gen2: ISO 18000-6C
Operating Frequency	840 – 960 MHz
Memory Availability	Dual Memory and Multi-record Memory
Certifications and Standards	ABS-1860, AS5678, DO-160, and ATA Spec 2000

**Brady B-1000 Order References**

Catalog-Number	Description	Size
THT-HM-SML-1000	Small RFID Ext High-Memory Label	35 mm x 25 mm
THT-HM-MDM-1000	Medium RFID Ext High-Memory Label	55 mm x 25 mm
THT-HM-LRG-1000	Large RFID Ext High-Memory Label	70 mm x 32 mm
THT-LM-SML-1000	Small RFID Ext Low-Memory Label	35 mm x 25 mm
THT-LM-MDM-1000	Medium RFID Ext Low-Memory Label	55 mm x 25 mm
THT-LM-LRG-1000	Large RFID Ext Low-Memory Label	70 mm x 32 mm

For more information visit:  
**BradyID.com/RFID**

USA  
Customer Service: 1-888-272-3946  
Inside Sales: 1-888-311-0775  
[www.BradyID.com](http://www.BradyID.com)

Canada  
Customer Service: 1-800-263-6179  
[www.BradyCanada.ca](http://www.BradyCanada.ca)

Mexico  
1-800-262-7777  
Inside Sales: 1-800-262-7777 ext 177  
[www.BradyLatinAmerica.com](http://www.BradyLatinAmerica.com)