

AEI tag reading is mandatory for any sophisticated Asset Protection Systems. Our ability to capture data via TransCore's RFID products ensures seamless integration in transit visibility, maintenance, repair yard and inventory management in the industry.



## COMMUNICATIONS

### Frequency Range

- Smart Consist™ 2.0
- 902 to 928 MHz

### Typical Working Range

- 5 to 10 ft (1.5 to 3 m)
- Range depends on system parameters.

### Polarization

- Parallel with longer side

## MEMORY

### Sego Mode

- **TOTAL:**
  - 32 pages
  - 256 bytes
  - 2,048 bits

- **Unique Id:**
  - 1 page
  - 8 bytes
  - 64 bits

- **User Data, General Use:**

- 20 pages
- 168 bytes
- 1,344 bits

- **User Data, Aar:**

- 17 pages
- 136 bytes
- 1,088 bits

- **Reserved For Security Authentication:**

- 11 pages
- 88 bytes
- 704 bits

### Ego Mode

- **Total:**
  - 128 bytes
  - 1,024 bits

- **Unique Id:**

- 8 bytes
- 64 bits

\*AT5118 Harsh Environment Tags can be programmed to your specifications

- **User Data:**

- 110 bytes
- 880 bits

### Ata Mode

- Up to 20 six-bit alphanumeric characters (120 available bits)

### Security

- The AT5118 Harsh Environment Transportation Tag provides data encryption and authentication

## POWER REQUIREMENTS

### Power Source

- Beam Powered

## LIFE EXPECTANCY

### Service Life

- Unlimited

## PHYSICAL DIMENSIONS

- Length: 9.3 (23.6 Cm)
- Width: 2.38 (6 Cm)
- Depth: 0.69 In 1.75 Cm
- Weight: 5.3 Oz (150.2 G)

## ENVIRONMENTAL

### Operating Temperature

- -40° F to +185° F (-40° C to +85° C)

### Storage Temperature

- -67° F to +212° F (-55° C to +100° C)

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