RFID Technologies Australia, (Electro-Com Australia Pty Ltd) is proud to introduce the new long range Radio Frequency Identification (RFID) technology from HyperX.

10M READ DISTANCE

Features & Benefits

- Long Read Distance: up to 10 metres (33ft)
- Fast Identification: up to 100 km/hr (100% reliability)
- Long Life “Semi-Passive” Technology: batteries lifetime 5 year (min) to 10 years
- Tag Multi-Orientation & Identification
- Range of Readers & Directivity: from 3m to 10m read range, 90°x90°, 45°x45°, 45°x90°
- Simultaneous Identification of Tags: up to 5 tags
- Electromagnetic Compatibility: can be used with other technologies using 2.45GHz, e.g. WIFI, WLAN
- Badge Programming: badges are programmable and re-programmable
- Small Tags, Cards/Badges: smallest and cheapest semi-passive tags available for 2.45GHz RFID

Applications

- Long distance Identification up to 10m
- Fast Identification up to 100 km/hr
- Access Controls for Roller Doors, Boom Gates, Electronic Gates
- Fork Lift Access
- Vehicle & Truck Access
- Weigh Bridges
- Container Identification
- Train & Carriage Identification
- Personnel Access Control and Tracking
- Carpark Access & Management
- Anti-theft Identification
- Road Tolling
## Compact Reader

**Part Numbers:**
- LMB 6013 - 3m (10ft) Compact Reader
- LMB 6033 - 4m (13ft) Compact Reader
- LMB 6034 - 6m (20ft) Compact Reader
- LMB 6035 - 8m (26ft) Compact Reader

**Frequency:** 2.45GHz

**Supported Protocols & Interfaces**
- Wiegand (26-bits)
- RS 232
- RS 422
- RS 485
- JBUS
- Modbus

  - On board Logging: 2000 events
  - Simultaneous Identification: 5 tags
  - High Speed Identification: 100km/hr
  - Communication Baud Rate: 30,000b/s
  - Number of Reading Channels: 31

## Modular Reader

**Part Numbers:**
- LML 4035 - 5m (16ft) Modular Reader
- LML 4035 - 10m (33ft) Modular Reader

**Frequency:** 2.45GHz

**Supported Protocols & Interfaces**
- Wiegand (26-bits)
- RS 232
- RS 422
- RS 485
- JBUS
- Modbus

  - On board Logging: 2000 events
  - Simultaneous Identification: 5 tags
  - High Speed Identification: 100km/hr
  - Communication Baud Rate: 30,000b/s
  - Number of Reading Channels: 31
### Badge/Card Tag

**Part Number:** BDG-1020

- **Semi-Passive:** (Long Life)
  - Lifetime NORMAL Mode: 8 years
  - Lifetime FAST Mode: 5 years
- Simultaneous Identification: 5 tags
- Maximum Read Distance: 10 metres
- High Speed Identification: 100 km/hr
- Tag Size: 85.6 x 54.0 x 3.5mm, Weight: 15 grams
- Re-Programmable: Life-time of card
- Humidity: 100% Water Resistant
- Protection Level: I.P. 65
- Data Rate: 30 Kb/s
- Error Protection: HDLC

**Temperature**
- Operating: -20°C to +70°C
- Storage: -25°C to +80°C

**Memory Capacity:** 180 bits
- Integrator Code: 18 bits (reserved)
- User Programmable Code: 162 bits
  (162 bits = 27 alphanumeric characters)

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### Harsh Environmental Tag

**Part Number:** BDG-1090

- **Semi-Passive:** (Long Life)
  - Lifetime NORMAL Mode: 10 years
  - Lifetime FAST Mode: 10 years
- Simultaneous Identification: 5 tags
- Maximum Read Distance: 10 metres
- High Speed Identification: 100 km/hr
- Tag Size: 75.0 x 50.0 x 20.0mm, Weight: 80 grams
- Re-Programmable: Life-time of card
- Humidity: 100% Water Resistant
- Protection Level: I.P. 67
- Data Rate: 30 Kb/s
- Error Protection: HDLC

**Temperature**
- Operating: -40°C to +85°C
- Storage: -40°C to +85°C

**Memory Capacity:** 180 bits
- Integrator Code: 18 bits (reserved)
- User Programmable Code: 162 bits
  (162 bits = 27 alphanumeric characters)

**Mount-On-Metal Compatible**
BADGE / CARD TAG (PART NUMBER: BDG-1020)

The Card Tag is useful for behind the windscreen road tolling, and Personnel access and tracking into building premises. The card tag is available with vehicle and personnel clips and holders. The holder can also be used to hold a contactless prox smart card with the HyperX Card. (e.g. 125kHz prox, 13.56MHz Mifare, or 13.56MHz, ISO 15693 / ISO 18000.3-1 compliant card)

BADGE / CARD TYPE ACCESSORIES

**Protective Box** (Part Number: SBT8010)

**Vehicle & Personnel Clip** (Part Number: CLV 1035)
INDUSTRIAL / HARSH ENVIRONMENTAL TAG (PART NUMBER: BDG-1020)

Use the Industrial / Harsh Environmental tags for robust conditions. The tag is specially made to be directly applied to a metallic surface. The tag is made to endure the most rigorous intrinsic standards for explosive areas. The tag has a very high protection level of I.P. 67, making it impervious to all extremes of chemicals and harsh weathering.

TRUCK IDENTIFICATION: FOR WEIGH BRIDGES

CONTAINER IDENTIFICATION
TRAIN & CARRIAGE IDENTIFICATION

FORK LIFT ACCESS

CAR PARK & VEHICLE ACCESS
PERSONNEL ACCESS (HANDS-FREE)

ROAD TOLLING

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