

HYBRID TAPE

This Hybrid Tape is beyond the traditional strip such as tattle tape and normal universal EM strip because it combines both Universal EM Strip and UHF RFID tag together.

This Hybrid Tape is an economic strip and it is affordable for most of the libraries even though it is combines 2 technologies together. It is very suitable for the library to go for the automation direction using RFID technology and continue using EM Gate as their security gate. It is also reduce the tagging process time as the librarian need only to stick one Hybrid Tape, instead of sticking 2 which is RFID tag and EM strip.

The technical specification of the Hybrid Tape is as follow for both Electromagnetic and RFID.

Technical Specification: Electromagnetic

1. The Hybrid Tape are fully compatible with 3M, Dialoc and Checkpoint products. The Hybrid Tapes cater for printed materials as well as CDs/ DVDs. These tapes are the latest generation where by each tape comprises of a twin layer non-ferrite elements.
2. Features: -
 - a. Double-sided adhesive as good hidden feature for printed material.
 - b. Double layered for enhanced detection
 - c. Can be armed and disarmed repeatedly, retaining original effectiveness.
 - d. Tapes are never lose their effectiveness after repeated arming and disarming.
 - e. Archival quality adhesive will not affect library materials.
 - f. Size: 147mm x 6.5mm x 0.25mm

Technical Specification: UHF RFID

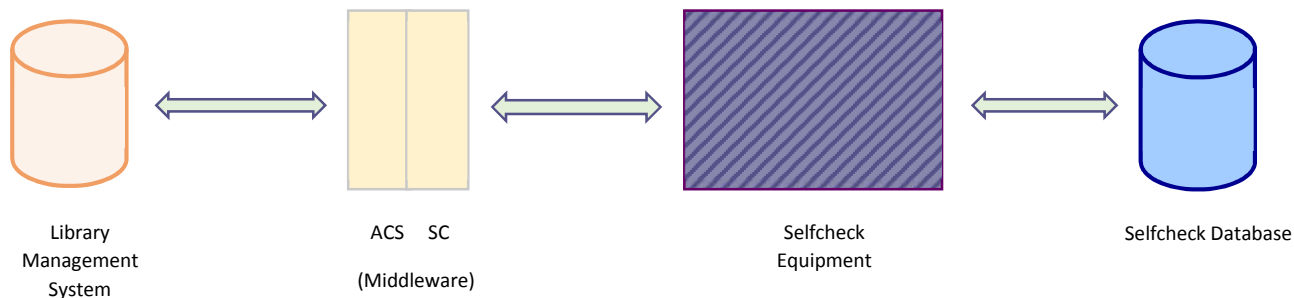
1. RFID: EPCglobal Gen2 and ISO/IEC 18000-6c
2. Chips: Alien H3
3. Frequency: 840-960MHz
4. 800 Bits of Memory
5. 96-EPC Bits extensible to 480 Bits
6. 64 Bit Unique TID (unalterable serial number)
7. 32 Bit Access and 32 bit kill passwords
8. User Memory can be Block Perma-Locked as well as read password protected in 64 Bit Blocks
9. Low power operation for both read and programming
10. Exceptional operating range, up to 10m

This Hybrid Tape is tested with our automation equipment and communicated with library system (KOHA) via SIP2 such as: -

1. Library Selfcheck Kiosk – ETE-SK360EM and ETE-360RF
2. Library Workstation – ETE-WS802EM and ETE-802RF
3. Tagging Station

EDGETECH HYBRID STRIP

As per highlighted as our previous statement and brochures, we did integrated the above equipment with **library management system – KOHA**. This combination is interconnected as displayed in the illustrated system architecture below.



With every equipment purchased, it comes with the software Library Middleware.

Library Middleware | The innovation of ET SC Module is the one of the effort by Edgetech as the middleware to communicate with LMS/ ILS via both SIP2 protocol or NCIP protocol. This module is a come-with the equipment without any extra charges, and it is bundle together with Staff Interaction System (Administration Staff Module) and Selfcheck User Interface (Client Module).

