

# EDGETECH HYBRID DESK



## HYBRID DESK

3 MODES – MANUAL, SEMI AUTO, FULLY AUTO (COMPUTER CONTROLLED) VIA USB PORT

This versatile unit, Hybrid Desk (Model No: ETE-2009H) operate as a comprehensive station by combining the technology of **Electromagnetic (EM) and UHF RFID**. This Desk is able to perform circulation transaction: check-in and check-out for books and collection in an effective method (RF method, without scanning using barcode scanner).

For every circulation transaction, librarian can magnetise and demagnetise the EM Strips by using this Desk automatically via the integrated of software (Workstation User Interface, Middleware and the Staff Interaction System).

In addition, it is also operate as the RFID tagging station, where librarian can perform barcode-to-RFID conversion towards UHF RFID tags. This workstation has been dedicated to build in handling the possible RF frequency interference so each item can be processed precisely in a quick and safe method during every single tagging process.

### Technical Specification: Electromagnetic

1. Voltage: 50 – 60 Hz, 220V (+/- 10%)
2. Activating power < 60W | De-activating power < 30W
3. Workable to 3M tattle-tape, Checkpoint, Dialog and other universal strips.
4. Magnetize and Demagnetize multiple books at one time.
5. 3 modes of control: **Manual, Semi-Auto and Fully-Auto** (Computer Controlled) via USB port.
6. Interfaces: USB port
7. Come with SDK for software customization

### Technical Specification: UHF RFID

1. RFID: ISO 18000-6C EPC C1G2
2. Frequency: 840-960MHz
3. Output Power: Max. 27dbm (0.5W) (Adjustable)
4. Interfaces: RS232: 4800 ~ 115200 bps (8,N,1), RS485: 4800 ~ 115200 bps (8,N,1), Wiegand: Wiegand 0 ~ 114 bits, standard default value Wiegand 26 bits.
5. Power Input: 7.5 ~ 12VDC, 2A
6. Reading Range: 30cm adjustable
7. Come with SDK for software customization

### Overall Technical Specification

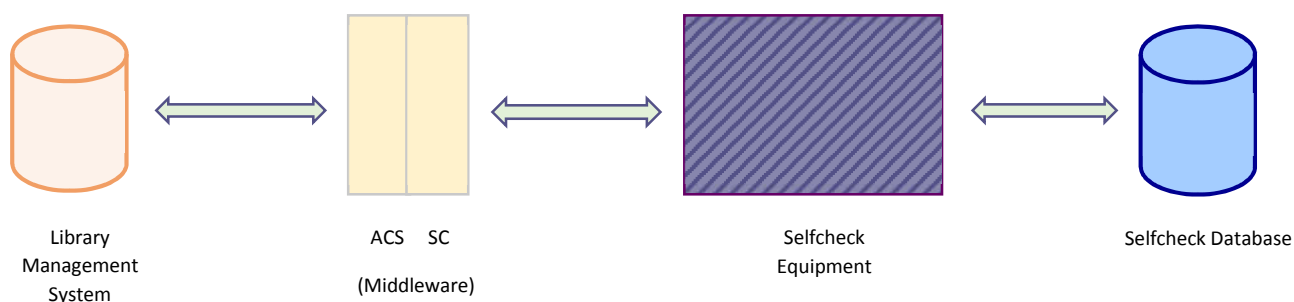
1. Dimension: W430mm x D415mm x H265mm
2. Environment: Temperature -10C – 60C
3. Humidity: 10% ~ 90% non-condensing
4. Safety Approval: CE R & TTE, EN 302 208-1/-2, EN 301-489-1/-3, EN 60950-1, FCC ID, PART 15B/C

# EDGETECH HYBRID DESK

By having this Hybrid Desk, it can be adopted and expanded into other library's automation equipment, such as: -

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

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).

