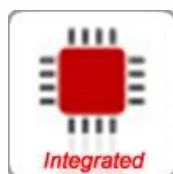


## AST - LCD EM Reader

<http://www.ast-hk.com>

**AST-LCD EM Reader** is build for Time Attendance System. The LCD module is used to display the Date & Time information and also card status. The reader clock will auto synchronize with the system clock. The readers build in 3x4 keypads for Door Code, Card and Card + PIN access also build in LED's and Buzzer to provide audio and visible alert for users.

The reader adopts the widely recognized EM proximity technology. It provides high reliability, fast response time and low power consumption for a wide range access control system. The RS485 Connection provide up to 1.2Km communication distance.



### General Features:

- 2x16 LCD Display with Backlight
- 3x4 Keypads with Backlight(Optional)
- LEDs (Red, Green) Indicator
- Build-in buzzer
- Up to 100mm card read/write operation range
- Fast verification time < 0.2 sec.
- RS485 Connection
- Lightning and Surge Protection

Signal	Color
12V	RED
GND	BLACK
RS485+	ORANGE
RS485-	WHITE

### Specification:

Power Supply :	12VDC, 150mAmax
Read Range :	≥ 100 mm
Transmit Frequency :	125kHz
Compatible Card :	EM Proximity Card
Operating Temperature :	0°C to + 40°C
Control Format :	RS485 (9600,8,N,1)s
Dimension :	96 x 123 x 34 mm
Color :	Gray, Black and White



Model: AST-RK31(K)



Model: AST-RL31



Model: AST-RL31(W)