



Internet Controller E30 with 4G and WIFI Embedded

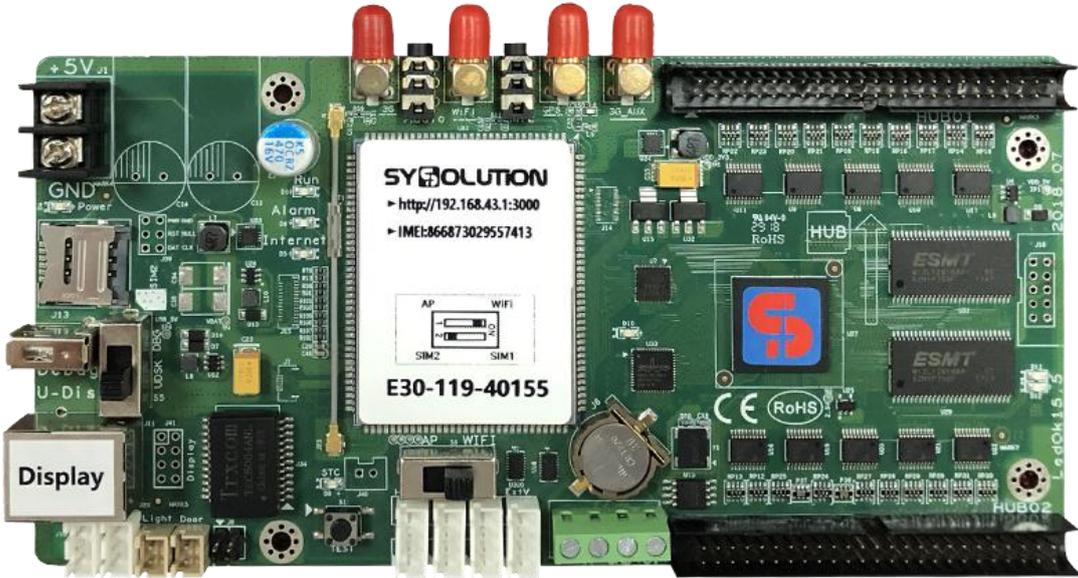
————— **E30** —————

Product specification

Ver.2.1

Update Record

NO.	Version	Remark	Date
1	Ver.1.0	First version	March 01 th ,2019
2	Ver.1.1	Parameter correction	October 18 th ,2019
3	Ver.2.0	Add accessories	March 18 th ,2018
4	Ver.2.1	Modification of working conditions	2020.05.15



E30 control card

Functions

1. Have Wi-Fi 4G and GPS on board, and support AP function;
2. Have off-line software to send programs by cell phone or tablet;
3. Support AIPS cloud platform;
4. Have SDK for development;
5. Support upload program by Udisk;
6. Reach to 100MKbps by 4G communication;
7. High sensitivity GPS with fast speed;
8. High level of vibration-proof;
9. keep running for 10 seconds after cutting off the power;
10. Support new generation D90-XX receiving card.

Parameter

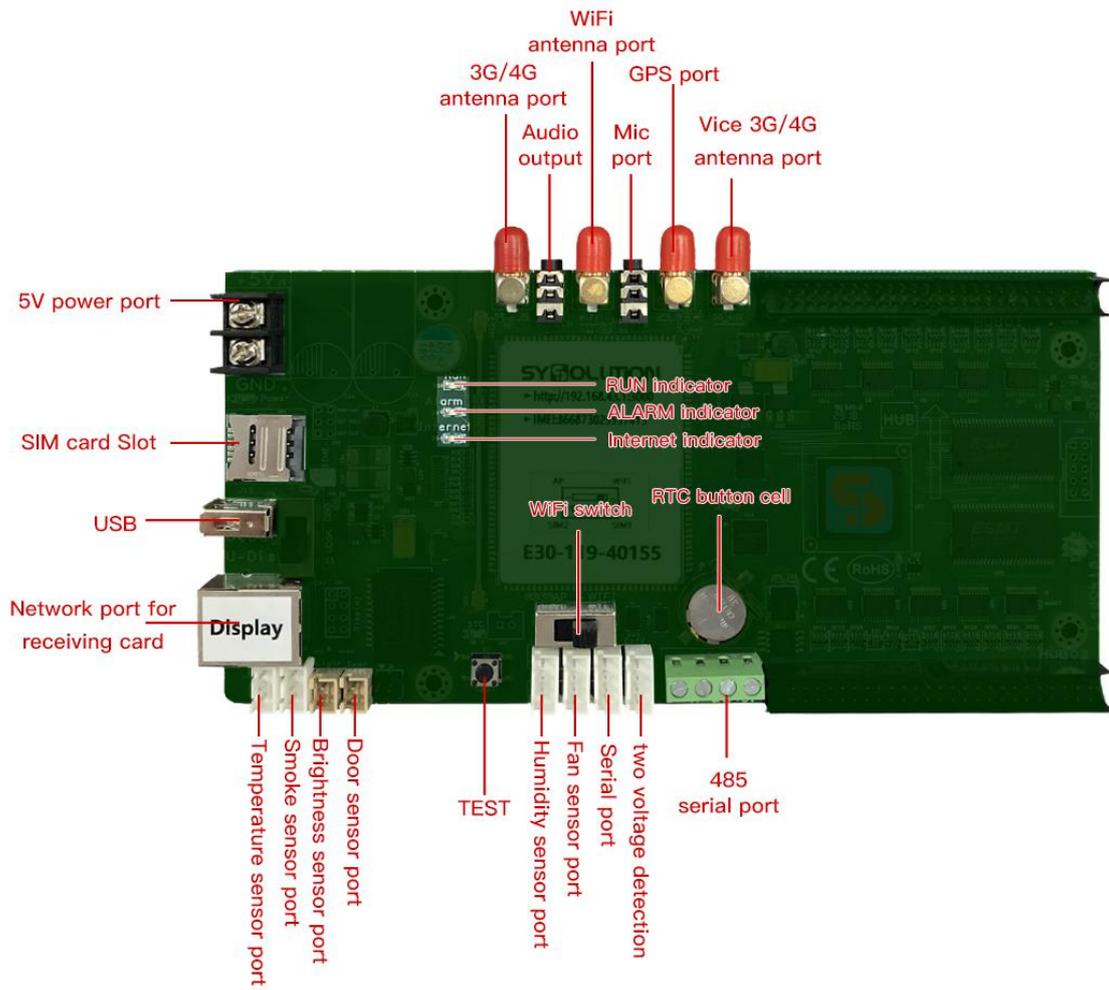
Type	Intelligent control card
Model	E30
Pixel	After cascade: 1280*1080 Total resolution :60,0000 Can not bring screen itself
4G/3G	Support
WiFi	Support
Hub	Two standard port
Screen Type	Full color
Flash Onboard	8GB
Gravel level	65536
LED Module	Support random scan types within 32 scan
Communication port	Port/U Disk
Video	Support
GPS	Fixed-point delivery
Camera	Support
Weather Report	Support
Read back display content	Support
Display in schedule	Support

Video format	AVI,WMV,MPG,MOV,DAT,VOB,MP4,FLV
Animation format	Support gif,swf
Image format	Support bmp、jpg、gif、wmf、ico
Text format	Support txt、rtf
Text display	Single line, static and multi-line etc.
Clock	Types of analog clocks and digital clock
Timing	Timing and countdown
Software	Send programs by AIPS (www.m2mled.net)
Parameter setting software	EasyBoard

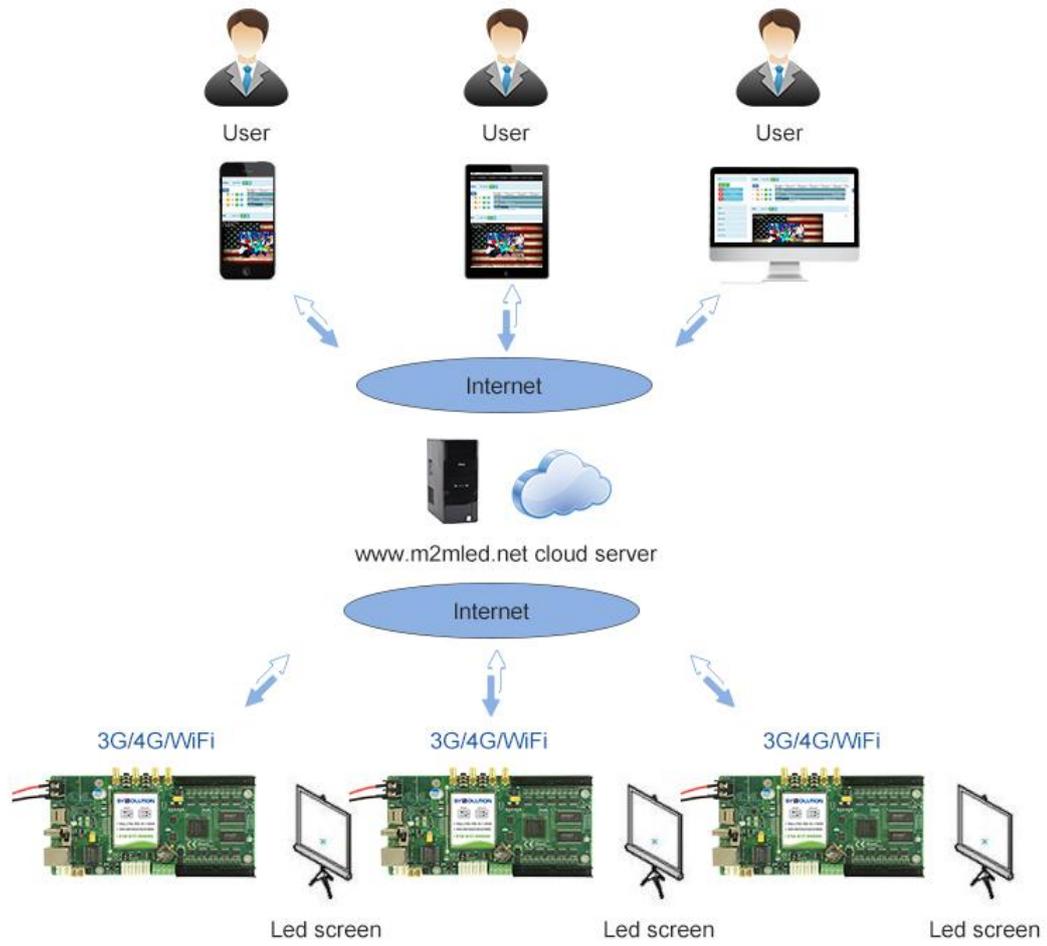
Support the spectrum :

WCDMA	Band 1/2/5/8
TDSCDMA	Band 34/39
FDD_LTE	Band 1/3/7
TDD_LTE	Band 38/39/40/41
GSM/GPRS/EDGE	Band 2/3/5/8
CDMA2000/EVDO	BC0

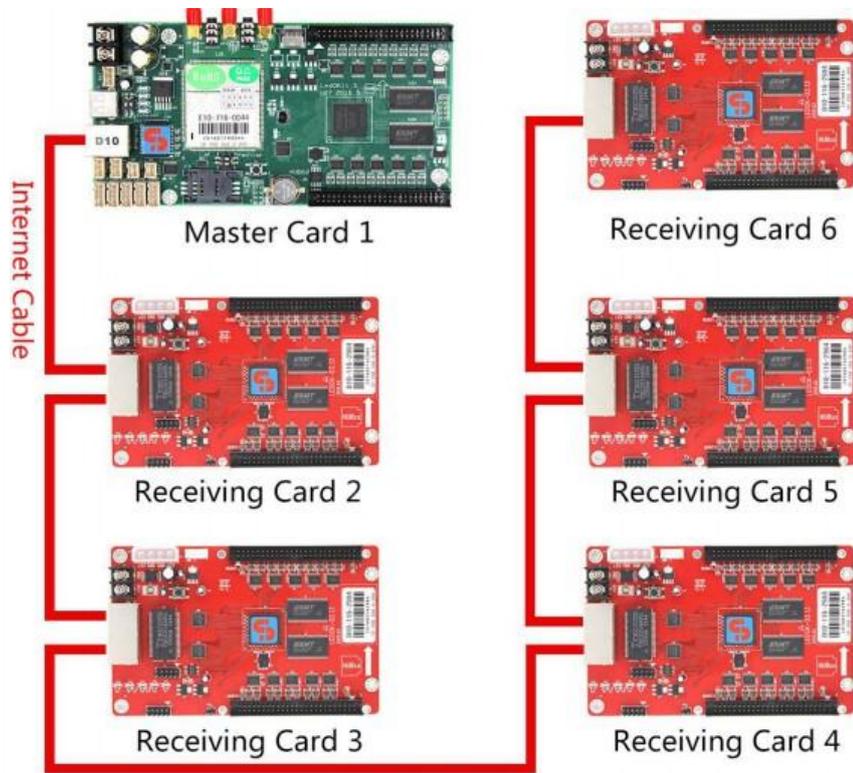
Interface Function



Information Transmission Mode



Connection of Main Card and Secondary Card

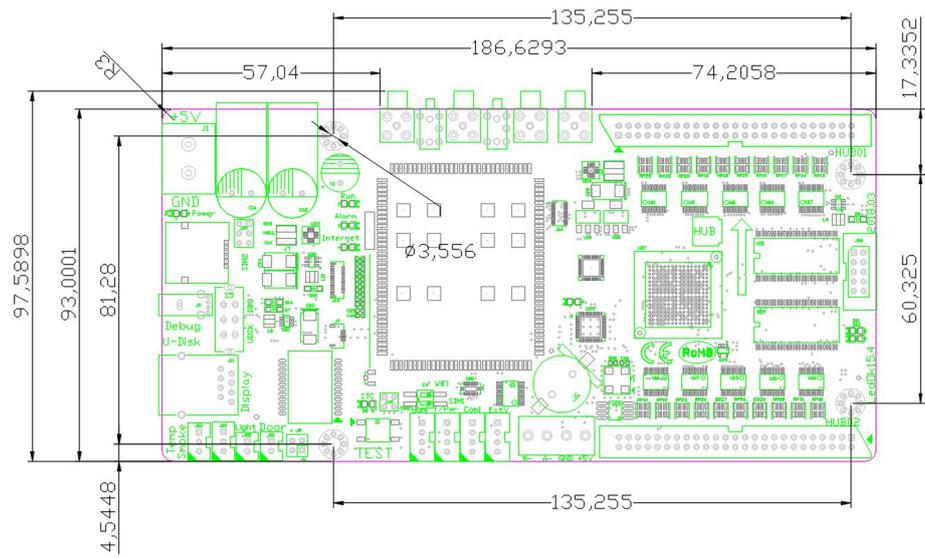


Operation Condition

General Parameter	
Work voltage (V)	4.5 ~ 6
Max operating current (A)	2
Max working consumption (W)	10
Work temperature (°C)	- 20 ~ + 60
Size (mm)	17.5(Length)×9.6(width)×2.5(leigth)
Weight (g)	138

1. It is recommended to use an independent (5V3A or above) power supply for the control card;
2. Excessive operating temperature will cause the power supply efficiency to drop sharply. If the control card and the module share the same power supply, please ensure that the control card has a stable voltage and a reasonable actual current supply.

Dimension



Unit : mm

Accessories

Standard accessories	Size/Quantity
WiFi Sucker antenna	3m*1
4G Sucker antenna	3m*1

(If you need other accessories, please place an order)

Optional accessories	Accessories features
Humidity line RH1	Used to detect the humidity of the current external environment
Brightness line RL1	Used to sense the brightness of the current environment
Temperature probe RT1	Used to detect the temperature of the current external environment
G10	GPS Positioning antenna (length 0.8m)

Matched sensor wire (Optional, additional models are available according to the order)

Cautions

3. Strictly prohibited to plug SIM card.
4. Strictly prohibited to plug PCIE module.
5. Strictly prohibited to plug HUB controller
6. Strictly Prohibited to Plug Antenna.
7. Try not to touch the chip and pin on the controller to prevent static electricity damage.