

Questionnaire for applying LMD display

Question	Answer
1. Where to install ?	☞ refer to " Applications "
2. View distance ?	☞ refer to "LED Modules > visibility"
3. What is your system/device ?	
4. Communication method ?	
5. Screen size ?	☞ refer to " products " and " A-6 how to set Screen size ".
6. Number of characters per line(row)	☞ Maximum number of characters per line. ☞ Spaces are counted as one English character.
7. Message type ?	☞ refer to " Application cases "
8. Message sample ?	☞ please attach the image or sketch ^[1] , as possible
9. Display language ?	
10. Additional information or requirement ?	

[Note 1] You may also search Google for images of electronic signage of similar purpose and size, and attach them.

How to answer the questionnaire

Question	Answer (examples)
1. Where to install ?	in the bus, indoor Parking lot, outdoor Parking lot, indoor gate, outdoor gate, on the serving robot (semi-outdoor), on the load(outdoor), on the bus stop(under the roof), on the bus stop(outdoor) ...
2. View distance ?	less than 5m indoor, 3~ 7m indoor, 15~25m outdoor...
3. What is your system/device ?	LPR system, PLC SSR(NPN), Parking guidance system, serving robot, Web server ...
4. How to communicate with ?	RS232, TTL, RS485, Ethernet, WiFi, Bluetooth, switching signal from PLC SSR(DC12V) ...
5. Screen size ?	2 row x 6 column, 1 row x 18 column, 4 line x 12 column ...
6. Number of characters per line(row)	12 characters of English letters/numbers, 24 characters of Chinese, 100 characters of Japanese by shifting-left effect ...
7. Message type ?	real time message only, real time message and page messages(2 page), real time message and page message(2pages) with background image(lines, logo)
8. Message sample ?	"Hello world", "123456(5 digits only)", "注册车辆", "NO.2 设备异常" ... ☞ please attach the image or sketch, as possible
9. Display language ?	number only, English only, Chinese & English, Spanish ...
10. Additional information or requirement ?	External antenna required for WiFi, Android app is required to call the background image file number, Key pad is required to call the stored message

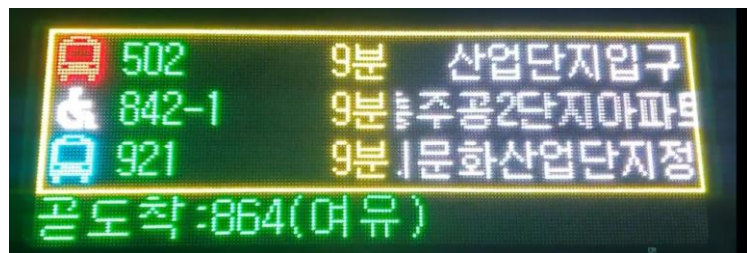
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Example 1



Question	Answer
1. Where to install ?	indoor parking lot
2. View distance ?	8~20M
3. What is your system/device ?	Parking management system
4. Communicate method ?	Ethernet(TCP server mode) The system is located in the same network
5. Screen size ?	2 row x 4 column The left and right screens are 1.2m apart. It is a double-sided screen.
6. Number of characters per line(row)	1 st line: 4 arrows(custom font), 2 nd line: 4 wide numbers ☞refer to " Special character ".
7. Message type ?	real time message only
8. Message sample ?	☞ please attach the image or sketch, as possible
9. Language to display ?	English and number only
10. Additional information or requirement ?	guide us how to use or make custom font.

Example 2



Question	Answer
1. Where to install ?	in the bus stop(under the roof)
2. View distance ?	3 ~ 12M
3. What is your system/device ?	PC program installed inside the LED sign body
4. Communicate method ?	RS232 115200bps
5. Screen size ?	4 row x 16 column
6. Number of characters per line(row)	32 English/numbers or 16 Korean
7. Message type ?	real time message only
8. Message sample ?	1~3 rows: bus number, type, arrival time 4 rows: arriving bus number in scrolling-left effect background image for lines are required. ☞ please attach the image or sketch, as possible
9. Language to display ?	English, number and Korean
10. Additional information or requirement ?	guide us how to apply the background image for lines guide us how to apply the custom font for special characters

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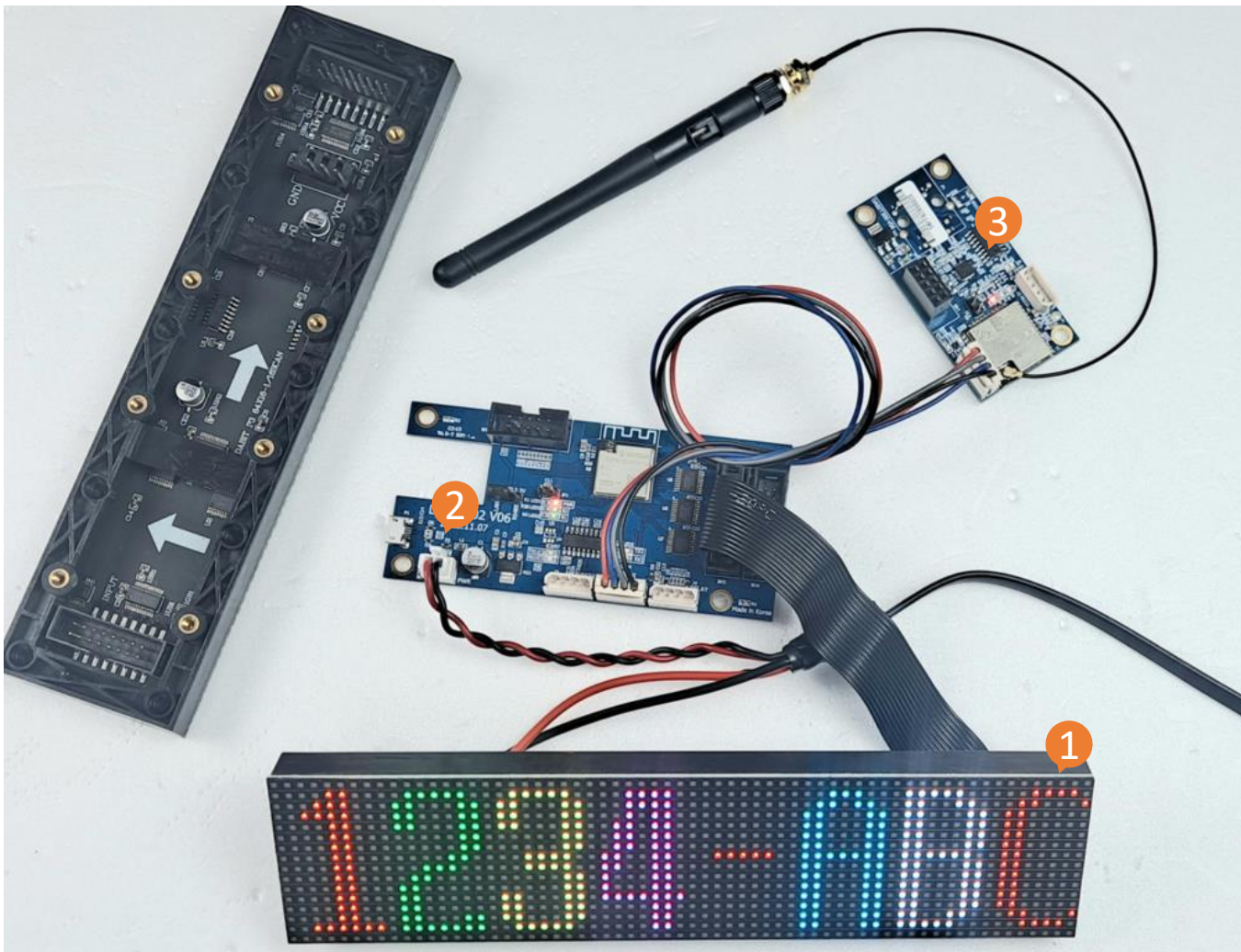
Example 3



[▶ more pictures](#)

Question	Answer
1. Where to install ?	inside a bus(to the front)
2. View distance ?	15~25m
3. What is your system/device ?	bus information system
4. Communication method ?	RS232 with a PC inside the bus
5. Screen size ?	2 row x 20 column
6. Number of characters per line(row)	☞ See the attached sketch drawing It depends on the font size.
7. Message type ?	real time message(when display time, date) background image for displaying bus route, destination
8. Message sample ?	☞ See the attached sketch drawing
9. Language to display ?	English, number, Korean(Graphic image)
10. Additional information or requirement ?	guide us how to create the background image A keypad needs for driver to manually change the bus route when necessary.

Example 4

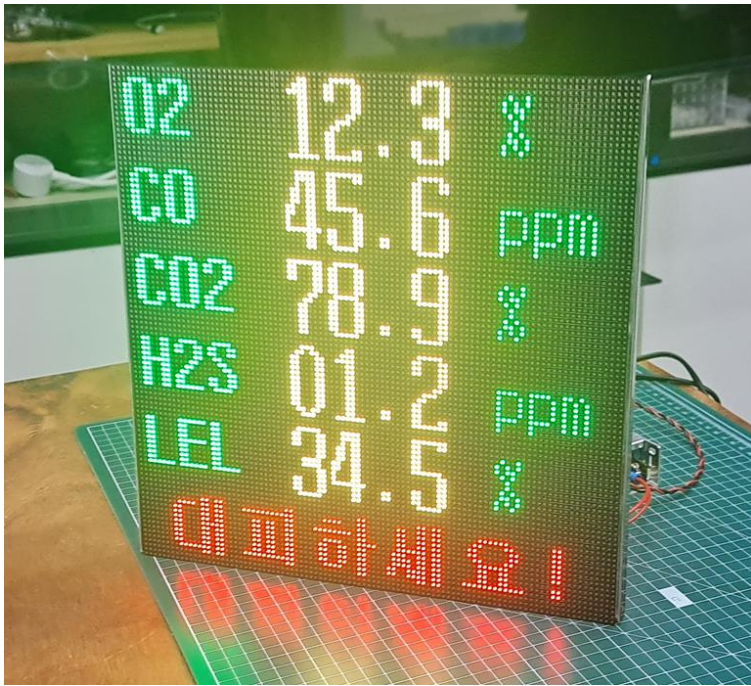


- ① LED modules([LMD-P3-2R6C-16S](#))
- ② LMD controller([LMD-C1-1E](#))
- ③ LMD ttl to WiFi converter([LMD-S2W](#)) with external antenna

Question	Answer
1. Where to install ?	on the front of the guidance robot, indoor
2. View distance ?	3~10M
3. What is your system/device ?	guidance robot
4. Communication method ?	WiFi(TCP server mode)
5. Screen size ?	1 row x 4 column
6. Number of characters per line(row)	16 characters(static effect) or 100 characters by scrolling-left effect
7. Message type ?	real time message and stored background message
8. Message sample ?	"12345678-ABCDEF" "Welcome to ABC company ..."
9. Language?	English and number only
10. Additional information or requirement ?	brightness : over 2000 nits low power as possible equipped with external antenna

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Example 5



Question	Answer
1. Where to install ?	In the factory
2. View distance ?	5 ~ 15m
3. What is your system/device ?	PC program to send the message data
4. Communication method ?	RS485 (by 50~100m cable)
5. Screen size ?	6 row x 6 column
6. Number of characters per line(row)	1~5 th line: 12 English/number 6 th line: Max. 20 Korean with scrolling effect ☞ See the attached sketch drawing
7. Message type ?	real time message , background image
8. Message sample ?	☞ See the attached sketch drawing
9. Language to display ?	English, number, Korean
10. Additional information or requirement ?	

Your project ??

Attach similar LED signboard photos by searching Google, or Insert the sketched image.

Question	Answer
1. Where to install ?	
2. View distance ?	
3. What is your system/device ?	
4. Communication method ?	
5. Screen size ?	
6. Number of characters per line(row)	
7. Message type ?	
8. Message sample ?	
9. Language to display ?	
10. Additional information or requirement ?	