**动态地图/客室屏 网络通讯协议**

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| --- | --- | --- | --- | --- |
| 更改记录 | | | | |
| 版本号 | 更改人 | 更改时间 | 更改原因 | 审核 |
| V1.0 |  | 2023.7.24 | 初创 |  |
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# 一、动态地图/LCD接收

组播地址：225.1.1.41:4001

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| **字段名** | **字节位置** | **数据类型** | **内容** | | | | | | | | | | | | | | **备注** |
| Bit7 | | Bit6 | | Bit5 | Bit4 | Bit3 | | Bit2 | | Bit1 | | Bit0 | |
| 【帧头】 | 0 | BYTE | 0x7E | | | | | | | | | | | | | |  |
|  | 1 | BYTE |  | | 越站有效 | | 关门触发 | 开门触发 | 紧急广播触发 | | 到站触发 | | 预到站触发 | | 离站触发 | |  |
| 2 | BYTE | 起点站 | | | | | | | | | | | | | |  |
| 3 | BYTE | 终点站 | | | | | | | | | | | | | |  |
| 4 | BYTE | 当前站 | | | | | | | | | | | | | |  |
| 【数据段】 | 5 | BYTE | 下一站 | | | | | | | | | | | | | |  |
| 6 | BYTE | 紧急广播Id | | | | | | | | | | | | | |  |
| 7 | BYTE | TC1激活 | TC2激活 | | 开左侧门 | | 开右侧门 | | 音量控制 | | 亮度控制 | | 保留 | | 保留 | TC1激活表示TC1为车头  TC2激活表示TC2为车头 |
| 8 | BYTE | 音量 | | | | | | | | | | | | | | 1-100：音量大小 |
| 9 | BYTE | 亮度 | | | | | | | | | | | | | | 1-100：亮度高低 |
| 10 | BYTE | 预留 | | | | | | | | | | | | | |  |
| 11 | BYTE | 年 | | | | | | | | | | | | | |  |
| 12 | BYTE | 月 | | | | | | | | | | | | | |  |
| 13 | BYTE | 日 | | | | | | | | | | | | | |  |
| 14 | BYTE | 时 | | | | | | | | | | | | | |  |
| 15 | BYTE | 分 | | | | | | | | | | | | | |  |
| 16 | BYTE | 秒 | | | | | | | | | | | | | |  |
| 17 | BYTE | 到下一站的时间 | | | | | | | | | | | | | | 单位：秒 |
| 18 | BYTE |
| 19 | BYTE | 8门 | 7门 | | 6门 | | 5门 | | 4门 | | 3门 | | 2门 | | 1门 | 1车门故障 |
| 20 | BYTE |  |  | |  | |  | |  | |  | | 10门 | | 9门 |
| 21 | BYTE | 8门 | 7门 | | 6门 | | 5门 | | 4门 | | 3门 | | 2门 | | 1门 | 2车门故障 |
| 22 | BYTE |  |  | |  | |  | |  | |  | | 10门 | | 9门 |
| 23 | BYTE | 8门 | 7门 | | 6门 | | 5门 | | 4门 | | 3门 | | 2门 | | 1门 | 3车门故障 |
| 24 | BYTE |  |  | |  | |  | |  | |  | | 10门 | | 9门 |
| 25 | BYTE | 8门 | 7门 | | 6门 | | 5门 | | 4门 | | 3门 | | 2门 | | 1门 | 4车门故障 |
| 26 | BYTE |  |  | |  | |  | |  | |  | | 10门 | | 9门 |
| 27 | BYTE | 8门 | 7门 | | 6门 | | 5门 | | 4门 | | 3门 | | 2门 | | 1门 | 5车门故障 |
| 28 | BYTE |  |  | |  | |  | |  | |  | | 10门 | | 9门 |
| 29 | BYTE | 8门 | 7门 | | 6门 | | 5门 | | 4门 | | 3门 | | 2门 | | 1门 | 6车门故障 |
| 30 | BYTE |  |  | |  | |  | |  | |  | | 10门 | | 9门 |
| 31 | BYTE | 站点8 | 站点7 | | 站点6 | | 站点5 | | 站点4 | | 站点3 | | 站点2 | | 站点1 | 越站标志：1 越站，0不越站。当标志位为1时，应有越站显示。 |
| 32 | BYTE | 站点16 | 站点15 | | 站点14 | | 站点13 | | 站点12 | | 站点11 | | 站点10 | | 站点9 |
| 33 | BYTE | 站点24 | 站点23 | | 站点22 | | 站点21 | | 站点20 | | 站点19 | | 站点18 | | 站点17 |
| 34 | BYTE | 站点32 | 站点31 | | 站点30 | | 站点29 | | 站点28 | | 站点27 | | 站点26 | | 站点25 |
| 35 | BYTE | 站点40 | 站点39 | | 站点38 | | 站点37 | | 站点36 | | 站点35 | | 站点34 | | 站点33 |
| 36 | BYTE | 站点48 | 站点47 | | 站点46 | | 站点45 | | 站点44 | | 站点43 | | 站点42 | | 站点41 |
| 【帧尾】 | 37 | BYTE | 0x0D | | | | | | | | | | | | | |  |