

| 系列 | 型号 | Flash | 封装 | GPIO | WAKUP | UART | IIC | IIS | SPI | PWM | ADC_CH | IRDA 红外接收 | MIC | AUX | FUSB | SDIO | ClassD APA | 模拟音频输出 DAC | 软关机 | 休眠 | 工作 | 串口升级 | 解码格式 | 应用场景 |
|---------------|-----------|---------------|------------|----------------|-------|------|-----|-----|-----|------|--------|-----------|-----|-----|------|------|------------|------------|------|-------|------|------|---|-----------------------------|
| AD14N带录音语音IC | AD146AQ | 外挂（支持256Mbit） | QFN32_4x4 | 18+USBIO+PD(5) | 8 | 2 | 1 | 1 | 1 | 6 | 14CH | √ | √ | √ | √ | √ | √ | √ | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; 4.ump3; | AD14N全封装，带录音功能语音MCU；传统插卡音箱； |
| AD14N带录音语音IC | AD146A4/8 | 4/8Mbit | QFN32_4x4 | 18+USBIO | 8 | 2 | 1 | 1 | 1 | 6 | 14CH | √ | √ | √ | √ | √ | √ | √ | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | AD14N全封装，带录音功能语音MCU；传统插卡音箱； |
| AD14N带录音语音IC | AD142A0 | 外挂（支持256Mbit） | SOP16 | 5+USBIO+PD(3) | 7 | 2 | 1 | × | 1 | 1 | 7CH | √ | √ | √ | √ | √ | √ | √ | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 带录音功能语音MCU； |
| AD14N带录音语音IC | AD142A4 | 4Mbit | SOP16 | 8+USBIO | 8 | 2 | 1 | × | 1 | 3 | 5CH | √ | √ | √ | √ | √ | √ | √ | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 带录音功能语音MCU； |
| AD14N带录音语音IC | AD145AQ | 外挂（支持256Mbit） | QSOP24 | 13+USBIO+PD(3) | 8 | 2 | 1 | 1 | 1 | 4 | 11CH | √ | √ | √ | √ | √ | √ | √ | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 带录音功能语音MCU； |
| AD14N带录音语音IC | AD145A4 | 4Mbit | QSOP24 | 16+USBIO | 8 | 2 | 1 | 1 | 1 | 6 | 13CH | √ | √ | √ | √ | √ | √ | √ | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 带录音功能语音MCU； |
| AD15N不带录音语音IC | AD154 | 外挂（支持512Mbit） | LQFP48_7x7 | 28+PD(5) | 12 | 2 | 1 | × | 1 | 6 | 14CH | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | AD15N全封装，开发板专用封装，语音MCU； |
| AD15N不带录音语音IC | AD152A0 | 外挂（支持512Mbit） | SOP16 | 10+PD(3) | 10 | 2 | 1 | × | 1 | 1 | 8CH | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 语音MCU |
| AD15N不带录音语音IC | AD152A4 | 4Mbit | SOP16 | 13 | 12 | 2 | 1 | × | 1 | 3 | 10CH | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 语音MCU |
| AD15N不带录音语音IC | AD153A2/4 | 2/4Mbit | QSOP24 | 20 | 12 | 2 | 1 | × | 1 | 6 | 12CH | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 语音MCU |
| AD15N不带录音语音IC | AD155AQ | 外挂（支持512Mbit） | QSOP24 | 16+PD(3) | 12 | 2 | 1 | × | 1 | 6 | 10CH | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 语音MCU |
| AD15N不带录音语音IC | AD155A4 | 4Mbit | QSOP24 | 19 | 12 | 2 | 1 | × | 1 | 6 | 12CH | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 语音MCU |
| AD15N不带录音语音IC | AD157A0 | 外挂（支持512Mbit） | QSOP28 | 21+PD(3) | 12 | 2 | 1 | × | 1 | 6 | 12CH | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 语音MCU（适合单面板LAYOUT的最多管脚封装） |
| AD15N不带录音语音IC | AD156AQ | 外挂（支持512Mbit） | QFN32_4x4 | 24+PD(4) | 12 | 2 | 1 | × | 1 | 4 | 12CH | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | QFN全封装语音MCU |
| AD15N不带录音语音IC | AD156A2/4 | 2/4Mbit | QFN32_4x4 | 28 | 12 | 2 | 1 | × | 1 | 6 | 14 | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | QFN全封装语音MCU |
| AD15N不带录音语音IC | AD156B2 | 2Mbit | QFN32_4x4 | 28 | 12 | 2 | 1 | × | 1 | 6 | 14CH | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | HPVDD引脚独立供电，语音MCU或充电仓MCU应用； |
| AD15N不带录音语音IC | AD159A2/4 | 2/4Mbit | QFN20_3x3 | 17 | 12 | 2 | 1 | × | 1 | 6 | 10CH | √ | × | × | × | √ | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 3x3小尺寸封装 |
| AD15N不带录音语音IC | AD158A4 | 4Mbit | SOP8 | 4 | 4 | 2 | 1 | × | 1 | 映射方式 | × | √ | × | × | × | × | √ | × | <2uA | <30uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | SOP8语音IC |
| AD17N不带录音语音IC | AD176A0 | 外挂（支持512Mbit） | QFN32_4x4 | 17+PD(5) | 12 | 2 | 1 | × | 2 | 4 | 16CH | √ | × | × | × | × | √ | × | <2uA | <25uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | AD17N全封装语音MCU |
| AD17N不带录音语音IC | AD179A4 | 4Mbit | QFN20_3x3 | 17 | 12 | 2 | 1 | × | 2 | 4 | 13CH | √ | × | × | × | × | √ | × | <2uA | <25uA | ~5mA | √ | 1.flā,flb,flc; 2.a,b,e; 3.midi; | 内置Flash，小尺寸封装语音MCU |