

# Nebula Helper——使用 Vue + Electron + node-serialport 实现的现代串行端口调试助手

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原文链接: <https://ld246.com/article/1596035265526>

来源网站: [链滴](#)

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<blockquote>
<p>使用 Vue + Electron + node-serialport 实现的现代串行端口调试助手<br>
A modern serial port debugging assistant implemented using Vue + Electron + node-serialport</p>
</blockquote>
<p><a href="https://ld246.com/forward?goto=https%3A%2F%2Fgithub.com%2Frymcu%2Fnebula-helper" target="_blank" rel="nofollow ugc">项目地址</a></p>
<h2 id="功能特性">功能特性</h2>
<ul>
<li class="vditor-task vditor-task--done"><input checked disabled type="checkbox"> 基础
口通信</li>
<li class="vditor-task vditor-task--done"><input checked disabled type="checkbox"> 自动
送信息</li>
<li class="vditor-task vditor-task--done"><input checked disabled type="checkbox"> 16 进
收发信息</li>
<li class="vditor-task vditor-task--done"><input checked disabled type="checkbox"> 停止/
复显示</li>
<li class="vditor-task vditor-task--done"><input checked disabled type="checkbox"> 文件
输</li>
<li class="vditor-task vditor-task--done"><input checked disabled type="checkbox"> 保存/
载配置信息</li>
<li class="vditor-task vditor-task--done"><input checked disabled type="checkbox"> 刷新
口列表(手动刷新 视图-> 刷新串口列表)</li>
<li class="vditor-task"><input disabled type="checkbox"> 版本更新(不用每次下载完整的安装包
仅 <code>app.asar</code> 文件)</li>
</ul>
<h2 id="未来计划">未来计划</h2>
<ul>
<li class="vditor-task"><input disabled type="checkbox"> 单片机程序下载(拷录程序到单片机)<
li>
</ul>
<h2 id="开发指南">开发指南</h2>
<blockquote>
<p>本项目使用 Electron + Vue + Node-serialport 实现，以下步骤是 windows 操作系统环境配
步骤，1-5 步为安装 node-gyp ,其他操作系统请参考<a href="https://ld246.com/forward?goto=ht
tps%3A%2F%2Fgithub.com%2Fnodejs%2Fnode-gyp" target="_blank" rel="nofollow ugc">
方教程</a></p>
</blockquote>
<ol>
<li>安装 LTS 版 NodeJS</li>
<li>安装 Python 2.7</li>
<li>安装 Visitor Studio 2017 及更高版本(我使用的是 2019)</li>
<li>执行 <code>npm install node-gyp -g</code> </li>
<li>执行 <code>node-gyp list</code> 查看依赖是否全部安装</li>
<li>执行 <code>git clone https://github.com/rymcu/nebula-helper.git</code> </li>
<li>执行 <code>npm install</code> </li>
<li>执行 <code>npm run electron:serve</code> </li>
</ol>
<h2 id="项目截图">项目截图</h2>
<p> </p>
<h2 id="鸣谢">鸣谢</h2>
<ul>

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- <li> <a href="https://ld246.com/forward?goto=https%3A%2F%2Fgithub.com%2Felectron%2Felectron" target="\_blank" rel="nofollow ugc">Electron</a> :electron: Build cross-platform desktop apps with JavaScript, HTML, and CSS</li>
- <li> <a href="https://ld246.com/forward?goto=https%3A%2F%2Fgithub.com%2Fvuejs%2Fvue" target="\_blank" rel="nofollow ugc">Vue</a> :vulcan\_salute: Vue.js is a progressive, incrementally-adoptable JavaScript framework for building UI on the web.</li>
- <li> <a href="https://ld246.com/forward?goto=https%3A%2F%2Fgithub.com%2Fserialport%2Fnode-serialport" target="\_blank" rel="nofollow ugc">node-serialport</a> Access serial port with JavaScript. Linux, OSX and Windows. Welcome your robotic JavaScript overlords. Better yet, program them!</li>
- <li> <a href="https://ld246.com/forward?goto=https%3A%2F%2Fgithub.com%2Fnklayman%2Fvue-cli-plugin-electron-builder" target="\_blank" rel="nofollow ugc">vue-cli-plugin-electron-builder</a> Easily Build Your Vue.js App For Desktop With Electron</li>