

文件编号 Document No.	ESP-07-2-007-03	文件名称 Document Name	产品/工艺变更通知 Product/Process Change Notice (PCN)
文件版本 Document Version	1.3	保存期限 Retention Period	5 年 5 years

取消 ESP32-S2 和 ESP8266 (16MB flash) 系列模组产品出厂配置通用 AT 固件
Espressif Common AT Firmware is not Flashed to ESP32-S2 & ESP8266 (16MB flash) Series of Modules by Default from the Manufacturing Line

PCN 编号 PCN No.	PCN-2021-026	提出日期 Issue Date of PCN	2021/10/18
变更日期 Proposed Date of Change	2022/01/05	首次出货日期 Proposed Date of First Shipment	2022/01/22
PCN 类型 / PCN Category	<input checked="" type="checkbox"/> 客户需要批准/Customer Approval Required <input type="checkbox"/> 客户通知/Customer Notification		

1. 影响产品名称/Affected Product Name

ESP32-S2 系列模组，具体模组型号如下：

ESP32-S2 Series Modules, modules name as below:

ESP32-S2-MINI-1 / ESP32-S2-MINI-1U / ESP32-S2-WROOM / ESP32-S2-WROOM-I / ESP32-S2-SOLO / ESP32-S2-SOLO-U

ESP8266 (16MB flash) 系列模组，具体模组型号如下：

ESP8266 (16MB flash) Series Modules, modules name as below:

ESP-WROOM-02D / ESP-WROOM-02U

2. 变更原因/Reason for Change

根据对客户实际使用情况的调查，大部分采购 ESP32-S2 系列和 ESP8266 (16MB flash) 系列模组的客户，未使用出厂时配置的乐鑫通用 AT 固件，故上述段落 1 中的模组出厂前将不烧录通用 AT 固件。

Espressif has checked our customers' actual use cases and identified most of our customers of the above-mentioned variants in Para actually do not use the default common AT firmware flashed to those variants from the manufacturing line. Therefore, Espressif will not flash the common AT firmware on the modules in Para 1.

3. 变更描述/Description of Change

段落 1 涉及的模组出货时，不配置通用 AT 固件。

No Espressif common AT firmware will be flashed to the modules listed in Para 1.

4. 变更对比/Change Comparison

请见附录 I: 变更对比。

Please refer to Appendix I: Change comparison.

通过包装标签信息识别该变更。

Identify the change by querying the Package Label Information.

5. 变更影响/Impact of Change

1) 品质和性能/ Quality & Performance:

由于产品的硬件未做变更，如贵司不使用上述模组出厂配置的乐鑫通用 AT 固件，则此变更对产品品质、性能及使用均无影响；

Suppose you don't use the Espressif common AT firmware. In that case, the quality, performance, and use cases of those variants mentioned in Para 1 are not affected for your cases because no hardware change is introduced.

如贵司使用上述模组模组出厂时配置的乐鑫通用 AT 固件 (非二次开发) ，请及时联系对接的商务人员或 sales@espressif.com ，我们将提供定制生产，或者协助您评估替换对应的 flash size 模组，为您降低成本。

Otherwise, please contact your business contacts at Espressif or via sales@espressif.com. We will either provide customized production to your needs or assist you to choose the appropriate flash size modules, if possible.

2) 交期/Delivery: 无/None

3) 生产料号/Material Part Numbers (MPN): 无/None

4) 认证/Certification: 无/None

5) 其他/Others: 无/None

6. 变更前后产品处理/How to Deal with Products

FIFO。针对客户特殊要求的 AT 版本，按照客户实际要求执行。

FIFO. Please proceed as requested if customers request a particular AT firmware version.






7. 相关报告/Report(s) Attached:

Related ECN No. ECN-2021-025

Appendix I 变更对比/Change Comparison

1. ESP32-S2 系列产品

ESP32-S2 Series Modules

变更前 Before Change	变更后 After Change		
 乐鑫信息科技（上海）股份有限公司			
生产工单 PW Number	XXXXXXXXXX	生产工单 PW Number	XXXXXXXXXX
产品型号 Product Name	XXXXXXXXXX	产品型号 Product Name	XXXXXXXXXX
产品料号 Part Number	XXXXXXXXXX	产品料号 Part Number	XXXXXXXXXX
数量 Quantity	3250 pcs	数量 Quantity	3250 pcs
固件版本 Firmware Ver	<div style="border: 1px solid red; padding: 2px;"> IDF: V4.2 AT: V2.1.0.0 FW P/N: XXXXXXXX </div>	固件版本 Firmware Ver	<div style="border: 1px solid red; padding: 2px;"> IDF: N/A AT: N/A FW P/N: N/A </div>
原产国 Country of Origin	CHINA	原产国 Country of Origin	CHINA
生产日期 Seal Date	YYYY-MM-DD	生产日期 Seal Date	YYYY-MM-DD
批次号 Lot Number	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX	批次号 Lot Number	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
出货检验 OQC	<div style="border: 1px solid gray; padding: 5px; text-align: center;">  </div>	出货检验 OQC	<div style="border: 1px solid gray; padding: 5px; text-align: center;">  </div>
产品条码 QR code	<div style="border: 1px solid gray; padding: 5px; text-align: center;">  </div>	产品条码 QR code	<div style="border: 1px solid gray; padding: 5px; text-align: center;">  </div>

2. ESP8266 (16MB flash) 系列产品

ESP8266 (16MB flash) Series Modules

变更前 Before Change	变更后 After Change																																				
 <p>乐鑫信息科技（上海）股份有限公司</p> <table border="1"> <tr> <td>生产工单 PW Number</td> <td>XXXXXXXXXX</td> </tr> <tr> <td>产品型号 Product Name</td> <td>XXXXXXXXXX</td> </tr> <tr> <td>产品料号 Part Number</td> <td>XXXXXXXXXX</td> </tr> <tr> <td>数量 Quantity</td> <td>3250 pcs</td> </tr> <tr> <td>固件版本 Firmware Ver</td> <td> <div style="border: 1px solid red; padding: 2px;"> IDF: V3.0.3 AT: V1.7.3 FW P/N: XXXXXXXX </div> </td> </tr> <tr> <td>原产国 Country of Origin</td> <td>CHINA</td> </tr> <tr> <td>生产日期 Seal Date</td> <td>YYYY-MM-DD</td> </tr> <tr> <td>批次号 Lot Number</td> <td>XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX</td> </tr> <tr> <td>出货检验 OQC</td> <td>产品条码 QR code</td> </tr> </table> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>	生产工单 PW Number	XXXXXXXXXX	产品型号 Product Name	XXXXXXXXXX	产品料号 Part Number	XXXXXXXXXX	数量 Quantity	3250 pcs	固件版本 Firmware Ver	<div style="border: 1px solid red; padding: 2px;"> IDF: V3.0.3 AT: V1.7.3 FW P/N: XXXXXXXX </div>	原产国 Country of Origin	CHINA	生产日期 Seal Date	YYYY-MM-DD	批次号 Lot Number	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX	出货检验 OQC	产品条码 QR code	 <p>乐鑫信息科技（上海）股份有限公司</p> <table border="1"> <tr> <td>生产工单 PW Number</td> <td>XXXXXXXXXX</td> </tr> <tr> <td>产品型号 Product Name</td> <td>XXXXXXXXXX</td> </tr> <tr> <td>产品料号 Part Number</td> <td>XXXXXXXXXX</td> </tr> <tr> <td>数量 Quantity</td> <td>3250 pcs</td> </tr> <tr> <td>固件版本 Firmware Ver</td> <td> <div style="border: 1px solid red; padding: 2px;"> IDF: N/A AT: N/A FW P/N: N/A </div> </td> </tr> <tr> <td>原产国 Country of Origin</td> <td>CHINA</td> </tr> <tr> <td>生产日期 Seal Date</td> <td>YYYY-MM-DD</td> </tr> <tr> <td>批次号 Lot Number</td> <td>XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX</td> </tr> <tr> <td>出货检验 OQC</td> <td>产品条码 QR code</td> </tr> </table> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>	生产工单 PW Number	XXXXXXXXXX	产品型号 Product Name	XXXXXXXXXX	产品料号 Part Number	XXXXXXXXXX	数量 Quantity	3250 pcs	固件版本 Firmware Ver	<div style="border: 1px solid red; padding: 2px;"> IDF: N/A AT: N/A FW P/N: N/A </div>	原产国 Country of Origin	CHINA	生产日期 Seal Date	YYYY-MM-DD	批次号 Lot Number	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX	出货检验 OQC	产品条码 QR code
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邮件订阅
Espressif Email Notifications

乐鑫为注册用户提供电子邮件通知服务，用户可通过[乐鑫订阅系统](#)接收技术文档更新、新闻通讯、PCN 等邮件通知。

Espressif sends email notifications of technical documentation changes, along with newsletters, PCNs and other valuable information, to subscribed customers only. If you wish to stay updated on our products and services, please subscribe [here](#).

客户响应要求
Customer Response Requirements
需客户批准的变更/ Change Requiring Customer Approval:

- a) 客户须在乐鑫发出 PCN 后的 30 天内告知乐鑫已收到 PCN。如客户未在接收到 PCN 后的 30 天内告知已收到，则视为客户收到变更。

Customers are requested to acknowledge receipt of the PCN within 30 calendar days from the date of issue of the PCN. Customers would be considered as notified 30 calendar days after issue of the PCN if no acknowledgement is received.

- b) 自发布 PCN 之日起 90 天内，客户没有任何其他反馈，则表示客户接受该 PCN。

The lack of any additional responses from customers within 90 calendar days from date of issue of the PCN constitutes acceptance of the proposed changes.

客户通知/ Customer Notification:

- a) 客户需在乐鑫发出 PCN 后 14 天内通知乐鑫收到该 PCN。如客户未在接收到 PCN 14 日反馈乐鑫，则视为客户确认该 PCN。

Customers are requested to acknowledge receipt of the PCN within 14 calendar days from the date of issue of the PCN. Customers would be considered as having acknowledged the PCN if no response is received after 14 calendar days.

请反馈至 pcn@espressif.com。

Please send feedback to pcn@espressif.com.

客户批准/确认信息
Customer Approval/Acknowledgement and Remarks

客户公司全称:

Customer's Company Name:

PCN 评审结果/PCN Review Result:

- 批准/确认 Accepted/Acknowledged
 不批准/Rejected
 需要分析/Further Analysis Required

客户意见/Comment:

公司代表人姓名
Representative's Name:

公司代表人职责
Representative's Job Title:

公司代表人签名
Representative's Signature:

日期
Date: