

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 (8 MB/16 MB 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 series of modules (8MB/16MB flash) by default from the manufacturing line

PCN 编号 PCN No.	PCN-2021-005	提出日期 Issue Date of PCN	20210412
变更日期 Proposed Date of Change	20210430	首次出货日期 Proposed Date of First Shipment	20210528
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-WROOM-32X (8MB/16MB flash) 系列模组，具体模组型号如下：
 ESP32-WROOM-32X (8MB/16MB flash) Series Modules, modules name as below:
 ESP32-WROOM-32 / ESP32-WROOM-32D / ESP32-WROOM-32U
 ESP32-WROOM-32E / ESP32-WROOM-32UE

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 (8 MB 或 16 MB 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 to the 8 MB/16 MB flash variants of the above-mentioned modules in Para 1 any more.

3. 变更描述/Description of Change
 ESP32 (8 MB 或 16 MB flash) 系列模组出货时，不配置通用 AT 固件。
 No Espressif common AT firmware will be flashed to the 8 MB and 16 MB flash variants of 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.

变更识别方式/Change Identification Method
 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 4 MB 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 switch from the 8 MB / 16 MB flash variants to the 4 MB flash variants, 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-2021-013

Material Qualification Report

Performance Test Report

Reliability Test Report





Environment Related Report

(RoHS / REACH / HF etc.)

Certification

Other Reports (Pls specify)

Appendix I 变更对比/Change Comparison

变更前 Before Change				变更后 After Change			
 ESPRESSIF 乐鑫信息科技（上海）股份有限公司				 ESPRESSIF 乐鑫信息科技（上海）股份有限公司			
产品名称 Product Name	XXXXXXXXXXXX			产品名称 Product Name	XXXXXXXXXXXX		
供方料号 Supplier P/N	XXXXXXXXXXXX			供方料号 Supplier P/N	XXXXXXXXXXXX		
厂商料号 Manufacturer P/N	XXXXXXXXXXXX			厂商料号 Manufacturer P/N	XXXXXXXXXXXX		
固件版本 SDK Version	IDF: v3.0.7 AT: v1.1.3.0 FW P/N: XXXXX			固件版本 SDK Version	N/A		
采购订单编号 PO Number	XXXXXXXXXXXX	数量 (台) Quantity	3250 PCS	采购订单编号 PO Number	XXXXXXXXXXXX	数量 (台) Quantity	3250 PCS
生产日期 Manufacture Date	YYYY-MM-DD	原产国 Place of Origin	MADE IN CHINA	生产日期 Manufacture Date	YYYY-MM-DD	原产国 Place of Origin	MADE IN CHINA
批次号 LOT No.	XXXXXXXXXXXX	出货检验 QA		批次号 LOT No.	XXXXXXXXXXXX	出货检验 QA	

邮件订阅**Espressif Email Notifications**

乐鑫为注册用户提供了电子邮件通知服务，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:	