

知 MSR3600内存显示没有1GB

内存 叶红兵 2024-10-25 发表

问题描述

设备版本显示的内存是1GB的，通过display memory查看不足1GB

```
<H3C>dis version
H3C Comware Software, Version 7.1.064, Release 6749P21
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H3C MSR3600 uptime is 0 weeks, 0 days, 0 hours, 5 minutes
Last reboot reason : Power on
Boot image: flash:/msr3600x1-cmw710-boot-r6749p21.bin
Boot image version: 7.1.064P80, Release 6749P21
  Compiled Dec 11 2023 15:00:00
System image: flash:/msr3600x1-cmw710-system-r6749p21.bin
System image version: 7.1.064, Release 6749P21
  Compiled Dec 11 2023 15:00:00
Feature image(s) list:
  flash:/msr3600x1-cmw710-escan-r6749p21.bin, version: 7.1.064
    Compiled Dec 11 2023 15:00:00
  flash:/msr3600x1-cmw710-security-r6749p21.bin, version: 7.1.064
    Compiled Dec 11 2023 15:00:00
  flash:/msr3600x1-cmw710-voice-r6749p21.bin, version: 7.1.064
    Compiled Dec 11 2023 15:00:00
  flash:/msr3600x1-cmw710-data-r6749p21.bin, version: 7.1.064
    Compiled Dec 11 2023 15:00:00
CPU ID: 0xc
1G bytes DDR3 SDRAM Memory
256M bytes Flash Memory
PCB Version: 2.0
```

过程分析

通过官网查询到设备型号的内存为1GB

型号 MSR3600-28-X1/MSR3600-28-X1-DP/MSR3600-S1-X1/MSR3600-S1-X1-DP

项目	MSR3600-28-X1	MSR3600-28-X1-DP	MSR3600-S1-X1	MSR3600-S1-X1-DP
CONSOLE接口	1	1	1	1
USB接口	1	1	1	1
GE WAN接口	3	3	3	3
GE LAN接口	24	24	48	48
SFP接口	2	2	2	2
SIC/DSIC插槽	支持4个SIC插槽			
HMIM插槽	-			
内存	1GB DDR3			
Flash	256MB			
内置CF卡	-			

现场设备版本为6749P21，通过display memory查看

```
[ZJG_ZSYH_UPE_MSR3600]dis memory
Memory statistics are measured in KB(Available):
Slot 0:
Mem:      Total      Used      Free      Shared  Buffers  Cached  FreeRatio
        766012  699648  66364   0        0        328380  9.4%
-/+ Buffers/Cache: 371268  394744
Swap:      0          0          0
          内存 750M 左右
          空闲利用率 10%
          使用率 90%
```

版本为6728P25,查看内存显示为1GB

```
<ZJG_ZGYH_UPE_MSR3600>dis memory
Memory statistics are measured in KB:
Slot 0:
Mem:      Total      Used      Free      Shared  Buffers  Cached  FreeRatio
        1028156  745828  282328   0        3132    276988  28.0%
-/+ Buffers/Cache: 465708  562448
Swap:      0          0          0
          1000M 内存
          空闲利用率 30%
          使用 70%
```

解决方法

是显示方式变更，升级后Total内存是设备起来之后可用内存，升级前显示成设备实际总内存，包括可用内存和设备后台保留内存。

1G款型设备可保持6728系列版本，非解决网上问题无需升级