

E5052B-08D

Information Only Service Note

Supersedes:
E5052B-08C

E5052B Signal Source Analyzer, 10 MHz to 7 GHz, 26.5 GHz or 110GHz

Serial Numbers: All
Manufacturing ID Number: NA

CPU Module Part Number Change

Parts Required:
Refer to [Table 1-2](#)

ADMINISTRATIVE INFORMATION

Calibration Required
 Calibration NOT Required

PRODUCT LINE: WN
AUTHOR: ls

ADDITIONAL INFORMATION: E5052B CPU Module Part Number Change

Situation:

CPU Digital Motherboard discontinuance

For E5052B (serial prefix of MY471/ SG471), due to the part discontinuance by CPU motherboard manufacturer, the E5052-62015 CPU Module Assembly is no longer supplied.

Windows XP CoA discontinuance

For E5052B (serial prefix of MY471/ SG471; MY472/ SG472, MY473/ SG473), Windows XP COA can no longer be supplied after end of 2016, thus, upgrade kit shipped with Windows XP HDD/ SSD would be discontinued.

Please refer to the following solution in repairing customer's instruments as soon as the on-hand stocks are depleted.

Solution/Action:

For any of the above described situations, in general, there are two options be made available.

Option#1 Purchase SPO 5x5 PN repair kit

1. Service center to purchase 5x5 PN repair kit from SPO. Raise hotline for urgent repair if it's necessary. Refer to E5052B-07x (x = A, B, C...) Information Only (Internal Only) Service Note for the detailed upgrade procedure.
2. Since this involves HDD/ SSD replacement, Keysight service center is required to inform customer to perform data-backup accordingly before any conversion is carried out.

Option#2 Purchase upgrade kit E5052BU

The E5052BU upgrade kit pricing is strategically positioned in offering customer a lower upgrade price compared to the total pricing for individual parts.

Note: Should customer request for a lower part replacement cost, Keysight service center would seek for FE in requesting for discounts on the E5052BU upgrade kit with the following prerequisites information in getting divisional review and approval on a case by case basis.

Please include the following information on the additional discount request.

- Product Model.
- Defective/ affected unit serial number.

Include remarks (Example: "Urgent E5052B CPU repair") in SOE if it's necessary.

Table 1-1 shows the quick overview of the unit s/n prefix, generation and their respective OS & CPU PN.

Refer to table 1-2 for the recommended replacement matrix for the respective generations.

Table 1-1.

| | 1 st Generation | 2 nd Generation | 3 rd Generation | 4 th Generation |
|---------------|----------------------------|--------------------------------|--|----------------------------|
| Serial-prefix | MY471/ SG471 | MY472/ SG472; MY473/ SG473; | MY474/ SG474; MY475/ SG475; MY476/ SG476 | MY477/ SG477 |
| OS | Win-XP (Vista Downgrade) | Win-XP | Win-7 | Win-10 |
| CPU | E5052-62015 | E5052-62070 | E5070-62080 | E5052-62090 |

Table 1-2 CPU replacement and handling matrix.

| CPU/ Digital Hardware generation | To (Upgrade kit) <SPO repair kit> | | | |
|----------------------------------|---|------------------------------|--------------------------------|--------------------------------|
| | 1 st | 2 nd | 3 rd | 4 th |
| 1 st | - | (N/A) *1 <E5052-65102> *2 | (E5052BU-040) <E5052-65103> | (E5052BU-041) <E5052-65104> |
| 2 nd | - | - | | |
| 3 rd | - | - | - | (E5052BU-042) <E5052-65105> |
| 4 th | - | - | - | - |

*1 No E5052BU upgrade kit is offered.

*2 Discontinued after end of Dec 2018.

Appendix

SSA Signal Source Analyzer Series Upgrades

<https://www.keysight.com/main/editorial.jsp?cc=MY&lc=eng&id=2082886>

Shown is the history and change items for *reference purposes*.

Disclaimer. The content might not always reflect the latest information or be updated in a timely manner. For up-to-date information, always refer to the latest part list shipped with the corresponding upgrade kit/ SPO kit.

| | | 1 st generation | 2 nd generation | 3 rd generation | 4 th generation |
|--------------------|--------------------------|----------------------------|---|--|----------------------------|
| S/N prefix | | MY471/ SG471 | MY472/ SG472; MY473/ SG473 | MY474/ SG474; MY475/ SG475; MY476/ SG476 | MY477/ SG477 |
| CPU Module | CPU | Celeron M 1.3GHz | Celeron M 1.86GHz | Celeron P 1.86GHz | Celeron G 2.70 GHz |
| | Board No. | E5052-62015 | E5052-62070 | E5052-62080 | E5052-62090 |
| | Memory | 1GB | 2GB | 4GB | 4GB |
| | BIOS Password | "e5052" | "agtOnly" | none | none |
| Storage | Type | PATA-HDD | SATA-HDD | SATA-SSD | SATA-SSD |
| | HDD/ SSD | E5052-82202 | E5052-82203 | E5052-82204 | E5052-82205 |
| | HDD/ SSD Rev no. | NMxxx | NFxxx | NWxxx NMxxx | NHxxx |
| I/F Board assembly | DSP | E5070-66651 | E5070-66661 | E5071-66671 | E5052-66671 |
| Front Assembly | LCD Touch Panel Assembly | E5070-60112 | E5070-60112 (CCFL backlight) E5070-60113 (LED Backlight) | E5061-60112 | → |
| | Touch Panel Controller | 5183-4184 | → | 0960-2972 | → |
| | Backlight inverter | 0950-4420 | 0950-5396 | 0950-5396 | → |
| Power Supply | | 0950-4899 (550W) | → | → | → |
| Windows License | | Windows Vista Business | Windows XP Pro for Embedded Systems | Windows Embedded 7 | Windows 10 IoT |
| Firmware Revision | | A.03.00 | A.03.30 | B.04.xx - | B.06.xx - |

Revision History:

| Date | Service Note Revision | Author | Reason for Change |
|--------------|-----------------------|--------|---|
| 11 Sep, 2014 | E5052B-08 | ls | As Published |
| 29 Sep, 2014 | E5052B-08A | ls | Included 2 nd gen CPU PN. |
| 15 Nov, 2016 | E5052B-08B | ls | Removed 2 nd generation SPO repair kit (Celeron M 1.86GHz, Win-XP) following the discontinuance of Win-XP COA after year 2016. Revised the support strategy and added new CPU replacement matrix. |
| 11 Nov, 2018 | E5052B-08C | ls | Added 4 th generation CPU & digital hardware info. |
| 23 Sep, 2019 | E5052B-08D | ls | Added 4 th generation Windows 10 upgrade equivalent SPO repair kit. |