

Information Only Service Note

Supersedes:
E5052B-08D

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.

Windows 7 CoA discontinuance

For E5052B (serial prefix of MY474/SG474; MY475/SG475; MY476/SG476), Windows 7 COA can no longer be supplied after end of July 2025, thus, upgrade kit shipped with Windows 7 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 to 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 is 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 is 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>			
From	1 st	2 nd	3 rd	4 th
1 st	-	(N/A) * ¹ <E5052-65102> * ²	(E5052BU-040) (* ³) <E5052-65103> (* ³)	(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.

(*³) Discontinued after end of July 2025.

Appendix

SSA Signal Source Analyzer Series Upgrades

<https://docs.keysight.com/kkbopen/how-do-i-upgrade-my-e5052b-ssa-signal-source-analyzer-589745286.html>

Shown is the history and changing 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 a 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.
18 April, 2025	E5052B-08E	ls	Added note on the retirement of E5052-65103 - 3 rd generation SPO repair kit (Celeron P 1.86GHz, Win-7) (equivalent to E5052BU-040 upgrade kit) following the discontinuance of Win-7 COA after July 2025.