

E5071C-34C

# Information Only Service Note

Supersedes:  
E5071C-34B

## E5071C – ENA Series Network Analyzer, 9kHz to 20 GHz

Serial Numbers: MY46100001 – MY46199999, SG46100001 – SG46199999;  
MY46200001 – MY46299999, SG46200001 – SG46299999;  
MY46300001 – MY46399999, SG46300001 – SG46299999;  
MY46400001 – MY46499999, SG46400001 – SG46499999.

Manufacturing ID Number: N/A

CPU Module Part Number Change

### Parts Required:

Refer to [Table 1-2](#)

### ADMINISTRATIVE INFORMATION

**X Calibration Required**  
[ ] Calibration NOT Required

PRODUCT LINE: WN  
AUTHOR: ls

ADDITIONAL INFORMATION:  
E5071C CPU Module Part Number Change

## Situation:

### CPU Digital Motherboard discontinuance

For E5071C (serial prefix of MY461/ SG461), due to the part discontinuance by CPU motherboard manufacturer, the E5071-62001 CPU Module Assembly is no longer supplied.

### Windows XP COA discontinuance

For E5071C (serial prefix of MY461/ SG461; MY462/ SG462, MY463/ SG463, MY464/ SG464), 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 E5071C-32x (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 E5071CU

The E5071CU 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 E5071CU 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 E5071C 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 <sup>st</sup> Generation	2 <sup>nd</sup> Generation	3 <sup>rd</sup> Generation	4 <sup>th</sup> Generation
Serial-prefix	MY461/ SG461	MY462/ SG462	MY463/ SG463; MY464/ SG464	MY465/ SG465
OS	Win-XP (Vista Downgrade)	Win-XP	Win-XP	Win-7
CPU	E5071-62001	E5052-62070	E5070-62090	E5070-62091

Table 1-2 – CPU replacement and handling matrix.

CPU/ Digital Hardware generation	To (Upgrade kit) [SPO repair kit]			
From	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
1 <sup>st</sup>	–	(E5071CU-040) * <sup>1</sup> <E5071-65103> * <sup>1</sup> <E5071-65104> * <sup>1</sup>	(E5071CU-042) * <sup>1</sup> <E5071-65113> * <sup>1</sup>	(E5071CU-043) <E5071-65110>  or (E5071CU-044) <E5071-65111>
2 <sup>nd</sup>	–	–	(E5071CU-041) * <sup>1</sup> <E5071-65112> * <sup>2</sup>	
3 <sup>rd</sup>	–	–	–	
4 <sup>th</sup>	–	–	–	–

\*<sup>1</sup> Discontinued or to be discontinued after end of Dec 2016.

\*<sup>2</sup> No additional Win-XP COA is required since the 2<sup>nd</sup> generation instrument was fitted and sold with Win-XP COA from factory.

## Appendix

### ENA Network Analyzer Series Upgrades

<http://www.keysight.com/main/editorial.jsp?cc=MY&lc=eng&ckey=1462866&nid=-536902639.350794.00&id=1462866>

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 <sup>st</sup> generation	2 <sup>nd</sup> generation	3 <sup>rd</sup> generation	4 <sup>th</sup> generation
S/N prefix		MY461/ SG461	MY462/SG462	MY463/ SG463; MY464/ SG464	MY465/ SG465
CPU Module	CPU	Celeron M 1.3GHz	Celeron M 1.86GHz	Core i7 2.53GHz Dual-core/ 4GB RAM	Core i7 2.53 GHz Dual-core/ 8GB RAM
	Board No.	A01/E5071-62001	A60/ E5052-62070	A70/ E5070-62090	A70/ E5070-62091
	BIOS Password	"e507xa"	"agtOnly"	none	none
Storage	Type	PATA-HDD	SATA-HDD	SATA-SSD	SATA-SSD
	HDD/ SSD	E5071-82302	E5071-82303	E5071-82304	E5071-82305
	HDD/ SSD Rev no.	CNxxx	CFxxx	CHxxx	CTxxx
Front Assembly	LCD Touch Panel Assembly	E5071-60112	→	E5070-60112 (CCFL backlight)  E5070-60113 (LED backlight)	E5061-60112
	Touch Panel Controller	5183-4184	→	→	0960-2972
I/F Board assembly	Bracket	E5071-01204	E5071-01236	→	→
	DSP Board	E5070-66651	E5070-66661 w/ E5071-01235 (bracket) + Cables	→	→
	PCI GPIB	82350-66512	none (E5071-61651 cable only)	→	→
	USB TMC	0960-2357	none	→	→
Windows License		Windows Vista Business	Windows XP Pro for Embedded Systems	→	Windows Embedded 7
Power Supply	Up to 8.5GHz	0950-4773 (300W)	→	0950-4989 (350W)	→
	More than 8.5GHz	0950-4989 (350W)	→	→	→
Guide bar		E5071-1205	E5071-01230	→	→

**Revision History:**

Date	Service Note Revision	Author	Reason for Change
27 May, 2014	01	ls	As published
25 July, 2014	02	ls	Change service note type from Information Only (Internal Only) to Information Only.
21 Aug, 2014	03	ls	Added 2nd generation CPU upgrade in the solution. Added 5x5 PN for 4th generation CPU upgrade. Added Front Assembly LCD TP Assy. and Controller PN for reference in history change item.
14 Nov, 2016	04	ls	Removed 2 <sup>nd</sup> 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 replacement matrix. Offers user an additional option to upgrade to 3 <sup>rd</sup> gen HW via SPO repair kit.