

# INFORMATION ONLY

## E5071C-34B

# S E R V I C E N O T E

Supersedes:  
E5071C-34A

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

Serial Numbers: MY46100001 – MY46199999, SG46100001 – SG46199999

### CPU Module Part Number Change

#### Parts Required:

P/N	Description	Qty.
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**Solution 1** – (Upgrade to 4<sup>th</sup> generation CPU – Core i7 2.53GHz, 8GB RAM, Windows 7 ) – [Refer to Table 1-1](#)

**Solution 2** – (Upgrade to 2<sup>nd</sup> generation CPU – Celeron M 1.86GHz, 2GB RAM, Windows XP) – [Refer to Table 2-1](#)

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
<b>INFORMATION ONLY</b>	
<b>X Calibration Required</b> [[ ]] Calibration NOT Required	PRODUCT LINE: WN AUTHOR: LS
ADDITIONAL INFORMATION: E5071C CPU Module Part Number change	

**Situation:**

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

Two solutions are available.

[Solution#1 – Upgrade to 4<sup>th</sup> generation CPU.](#)

[Solution#2 – Upgrade to 2<sup>nd</sup> generation CPU.](#)

**Solution/Action:**

**For E5071C (serial prefix MY461, SG461)**

**Solution 1 – (Upgrade to 4<sup>th</sup> generation CPU – Core i7 2.53GHz, 8GB RAM, Windows 7)**

**1. Purchase 5x5 PN repair kit E5071-65110 (Opt xD5, xK5) or E5071-65111 (Opt x4x, x6x, x8x)**

1. Place the 5x5 PN kit purchase to SPO. Raise hotline for urgent repair if it's necessary. Refer to E5071C-32 Information Only (Internal Only) Service note for upgrade procedure.
2. Since this involves HDD replacement, please inform customer to perform data-backup before the instrument is sent to SSU for repair.

Refer to table 1-1 for the recommended replacement part of E5071-62001.

**Table 1-1**

<b>P/N</b>	<b>Description</b>	<b>Qty.</b>	<b>Remarks</b>
<b>E5071-65110</b> (E5071CU-043)	Upgrade digital HW module, from Win-XP to Win-7 for E5071C-xD5, xK5	1	Applicable to E5071C xD5, xK5.
<b>E5071-65111</b> (E5071CU-044)	Upgrade digital HW module, from Win-XP to Win-7 for E5071C-x4x, x6x, x8x	1	Applicable to E5071C x4x, x6x, x8x

**Alternative solution:**

**Purchase upgrade kit E5071CU-043 (Opt xD5, xK5) or E5071CU-044 (Opt x4x, x6x, x8x)**

The E5071CU-043/ 044 upgrade kit pricing is strategically positioned in offering customer a lower upgrade pricing comparing to the total pricing for individual parts.

Note: Should customer requested for a lower part replacement cost, SSU would seek for FE in requesting for discounts on the E5071CU-043/ 044 upgrade kit with the following prerequisite 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.

## **Solution 2 – (Upgrade to 2<sup>nd</sup> generation CPU – Celeron M 1.86GHz, 2GB RAM, Windows XP)**

Solution 2 is an inexpensive solution to customer on the CPU replacement. Certain customer might opt for a lower price solution and has little concern whether the E5071C is fitted with the current and latest hardware and software.

Purchase the following 5x5 PN depending on the instrument HDD type (Opt 019 Fixed HDD or Opt 017 Removable HDD).

**For Opt 017 Removable HDD**, purchase **E5071-65103** CPU Upgrade Kit (ENA-C/EX) RemHDD  
**For Opt 019 Fixed HDD**, purchase **E5071-65104** CPU Upgrade Kit (ENA-C/EX) Fixed HDD

Place the 5x5 PN kit purchase to SPO. Raise hotline for urgent repair if it's necessary.  
Refer to E5071C-10 Information Only (Internal Only) Service note for upgrade procedure.

**Table 2-1**

<b>P/N</b>	<b>Description</b>	<b>Qty.</b>	<b>Remarks</b>
<b>E5071-65103</b>	CPU Upgrade Kit (ENA-C/EX) Rem HDD	1	Applicable to E5071C Opt 017 Removable HDD
<b>E5071-65104</b>	CPU Upgrade Kit (ENA-C/EX) Fixed HDD	1	Applicable to E5071C Opt 019 Fixed HDD

Shown is the summary.

	<b>1<sup>st</sup>-Generation</b>	<b>2<sup>nd</sup>-Generation</b>	<b>3<sup>rd</sup>-Generation</b>	<b>4<sup>th</sup>-Generation</b>
<b>Serial-prefix</b>	MY461	MY462	MY463/464	MY465
<b>OS</b>	Win-XP(Vista downgrade)	Win-XP	Win-XP	Win-7
<b>CPU</b>	E5071-62001	E5052-62070	E5070-62090	E5070-62091
<b>Upgrade-kit</b>	N/A	E5071CU-040 (Discontinued)	E5071CU-041 E5071CU-042	<b>E5071CU-043</b> <b>E5071CU-044</b>
<b>Upgrade 5x5 PN</b>	N/A	<b>E5071-65103</b> <b>E5071-65104</b>	N/A	<b>E5071-65110</b> <b>E5071-65111</b>

### **For E5071C (serial prefix MY462/3/4/5, SG462/3/4/5)**

No change in support part strategy. Replace the respective CPU module.

## ENA Network Analyzer Series Upgrades

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

### History and Change Items

		1 <sup>st</sup> generation	2 <sup>nd</sup> generation	3 <sup>rd</sup> generation	4 <sup>th</sup> generation
S/N Prefix		MY461	MY462	MY463/MY464	MY465
CPU Module	CPU	Celeron M 1.3 GHz	Celeron M 1.86 GHz	Core i7 2.53 GHz 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	agt0nly	None	None
Storage	Type	PATA-HDD	SATA-HDD	SATA-SSD	SATA-SSD
	HDD	E5071-82302	E5071-82303	E5071-82304	E5071-82305
	HDD Rev No.	CNxxx	CFxxx	CHxxx	CTxxx
	Frame	E5052-60101	E5052-60111	→	→
Front Assembly	LCD Touch Panel Assembly	E5070-60112	→	E5070-60112 (LCD) E5070-60113 (LED)	E5061-60112
	Touch Panel Controller	5183-4184	→	→	0960-2972
I/F Board Assy	Bracket	E5071-01204	E5071-01236	→	→
	DSP	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		Window Vista Business	Windows XP Pro for Embedded Systems	→	Windows Embedded Systems 7
Power Supply	Camelion	0950-4773 (300W)	→	0950-4989 (350W)	→
	EX	0950-4989 (350W)	→	→	→
Guide bar		E5071-01205	E5071-01230	→	→

### Revision History:

Service note Revision	Date	Author	Reason For Change
E5071C-34	May 27 <sup>th</sup> , 2014	LS	As published
E5071C-34A	July 25 <sup>th</sup> , 2014	LS	Change Service note type from Information Only (Internal Only) to Information Only
E5071C-34B	Aug 21 <sup>st</sup> , 2014	LS	Added 2 <sup>nd</sup> generation CPU upgrade in the solution. Added 5x5 PN for 4 <sup>th</sup> generation CPU upgrade. Added Front Assembly LCD TP Assy. and Controller PN for reference in history change item.