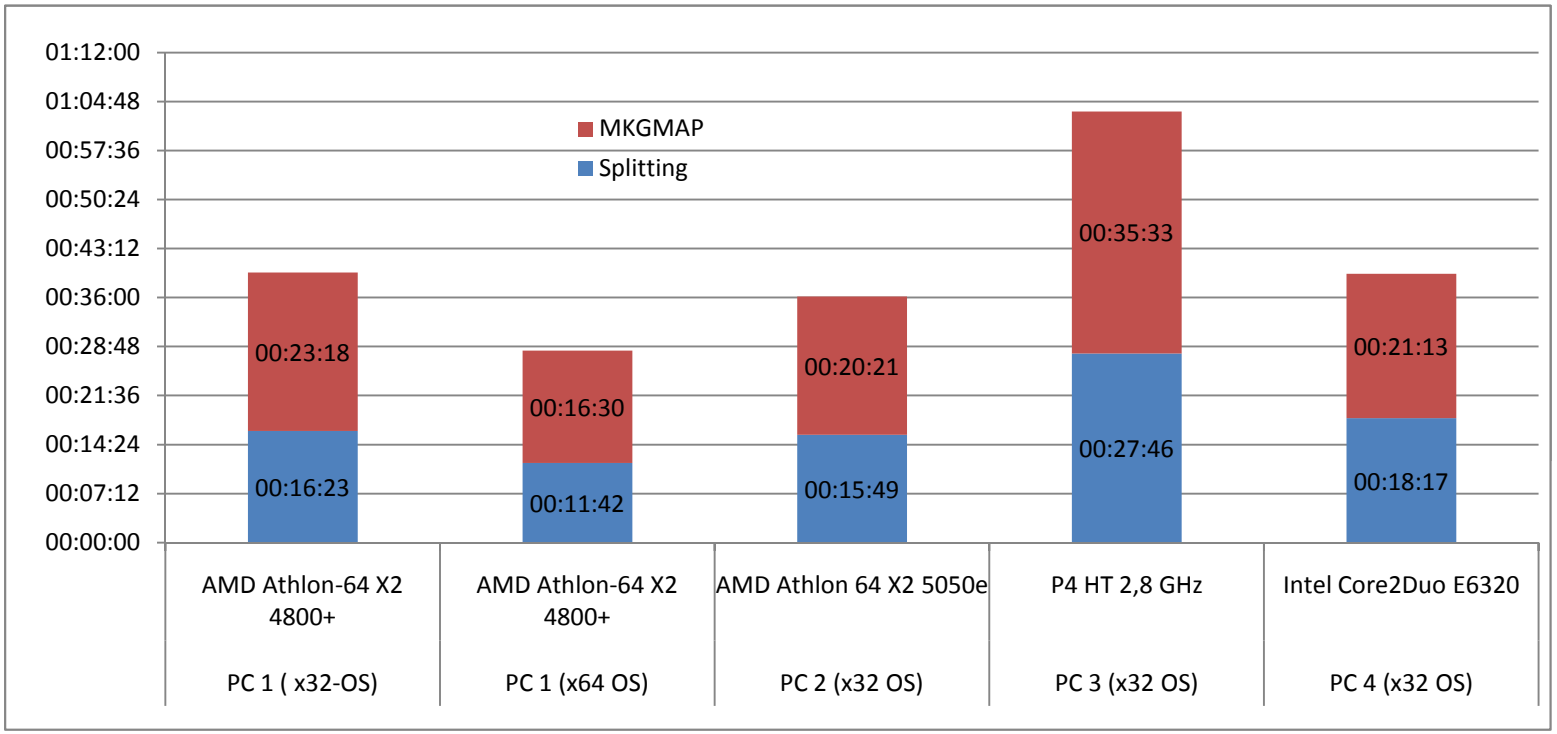
Vergleich **Erstellen einer routingfähigen Garmin-MAP aus der OSM-Datei - Rechner im Vergleich**

	PC 1 (x32-OS)	PC 1 (x64 OS)	PC 2 (x32 OS)	PC 3 (x32 OS)	PC 4 (x32 OS)
Prozessor	AMD Athlon-64 X2 4800+	AMD Athlon-64 X2 4800+	AMD Athlon 64 X2 5050e	P4 HT 2,8 GHz	Intel Core2Duo E6320
Core-Codename (Strukt.Größe)	Brisbane 65W (65nm)	Brisbane 65W (65nm)	Brisbane 45W (65nm)		Conroe (65nm)
Takt	**2x 2,5GHz**	**2x 2,5GHz**	**2x 2,6GHz**	**2,8 GHz**	**2x 1,833 GHz**
Mainboard	ASUS M2V	ASUS M2V	ASUS M3N78 PRO	ASRock P4-VT8	Intel DP965LT
BIOS	2101 / Feb 2008	2101 / Feb 2008	1003 / Juni 2009		
RAM	DDR2-PC800 CL4	DDR2-PC800 CL4	DDR2-PC800 CL4	DDR1-PC400	DDR2-PC800-CL5
Menge	4x 2 GB (= 8 GB)	4x 2 GB (= 8 GB)	4x 2 GB (= 8 GB)	2x 1 GB	2x 1 GB
Hersteller	A-DATA PC800-CL4 Vitesta Extreme	A-DATA PC800-CL4 Vitesta Extreme	A-DATA PC800-CL4 Vitesta Extreme	MDT	Kingston
Speicherdurchsatz Memtest 3.4a	**3152 MB/s**	**3152 MB/s**	**3385 MB/s**	**1317 MB/s**	**3642 MB/s**
OS	WinXP SP3 32bit	WinXP x64 SP2	WinXP SP3 32bit	WinXP SP3 32bit	WinXP SP3 32bit
JAVA	JAVA 6 U16	JAVA 6 U16 x64	JAVA 6 U16	JAVA 6 U16	JAVA 6 U16
Used OS-Mem before Start Splitter/MKGMAP	~ 160MB	~ 245 MB	~ 150 MB	~ 120 MB	~ 135 MB
Germany.osm Date	05.10.2009	05.10.2009	05.10.2009	05.10.2009	05.10.2009
Germany.osm SIZE	7 GB	7 GB	7 GB	7 GB	7 GB
exactly	7.061.059 kB	7.061.059 kB	7.061.059 kB	7.061.059 kB	7.061.059 kB
Splitter-Version	**R-97 - Sep09**	**R-97 - Sep09**	**R-97 - Sep09**	**R-97 - Sep09**	**R-97 - Sep09**
Options	"--cache=%temp%" "-Xmx1400m"	"--cache=%temp%" "-Xmx7400m"	"--cache=%temp%" "-Xmx1400m"	"--cache=%temp%" "-Xmx1400m"	"--cache=%temp%" "-Xmx1400m"
MKGMAP-Version	**1247 / 1.Okt.09** "-Xmx1400m"	**1247 / 1.Okt.09** "-Xmx7400m"	**1247 / 1.Okt.09** "-Xmx1400m"	**1247 / 1.Okt.09** "-Xmx1400m"	**1247 / 1.Okt.09** "-Xmx1400m"
Time for doing JOB	min:sec	min:sec	min:sec	min:sec	min:sec
Time Splitting (Nodes 1.900.000)	00:16:23	00:11:42	00:15:49	00:27:46	00:18:17
Differenz		00:04:41			
Time Compiling (min:sec)	00:23:18	00:16:30	00:20:21	00:35:33	00:21:13
Differenz		00:06:48			
Gesamt:	**00:39:41**	**00:28:12**	**00:36:10**	**01:03:19**	**00:39:30**
		Vorteil x64 gegen x32 OS			

JAVA Runtime Environment (JRE) 6 U16 = JAVA 1.6 Update 16 (x64 = 64bit-Variante), ansonsten 32bit-Variante

Diagramm	**PC 1 (x32-OS)**	**PC 1 (x64 OS)**	**PC 2 (x32 OS)**	**PC 3 (x32 OS)**	**PC 4 (x32 OS)**
	AMD Athlon-64 X2 4800+	AMD Athlon-64 X2 4800+	AMD Athlon 64 X2 5050e	P4 HT 2,8 GHz	Intel Core2Duo E6320
Splitting	00:16:23	00:11:42	00:15:49	00:27:46	00:18:17
MKGMAP	00:23:18	00:16:30	00:20:21	00:35:33	00:21:13
Gesamt-Zeit:	**00:39:41**	**00:28:12**	**00:36:10**	**01:03:19**	**00:39:30**



Gesamt-Zeit:	**00:39:41**		**00:36:10**	**01:03:19**	**00:39:30**

Übersetzen Germany.osm (4.10.2009) - 7 GB OSM-Size zur routingfähigen Garmin gmapsupp.img

Tech-Kurz-Info					
Prozessor-Takt	2x 2,5GHz	2x 2,5GHz	2x 2,6GHz	2,8 GHz	2x 1,833 GHz
Speicherdurchsatz	3152 MB/s	3152 MB/s	3385 MB/s	1317 MB/s	3642 MB/s