



RETAIL PRICE LIST December 2016

Prices in Euro without VAT (19%)

EDA Design Tools

Micro-Cap - spectrum software

DipTrace Software

Device Programmers

TopMax / ChipMax - E.E.Tools

AP-114 ISP/JTAG Programmer – Atomic Ltd.

Adapters & Converters

Programming Adapters - Standard

Programming Adapters – Device Specific (E.E.Tools)

Plugs & Spare Sockets

EDA Design Tools

Micro-Cap11 - spectrum software



	MICRO-CAP PROFESSIONAL (Windows XP/Vista/Win7/8/10)	(€)
MC11	MICROCAP PROFESSIONAL Mixed-Mode E-Circuit Simulator	3890
MC11-LAN	MICROCAP PROFESSIONAL Mixed-Mode Simulat.,LAN License	3890
	(for LAN version minimum of two seats required)	
	Upgrades: (call for earlier upgrades down to MC5 V.2)	(€)
MC11-UG10	UPGRADE MC10->MC11 Upgrade Micro-Cap 11 from MC10	870
MC11-UG9	UPGRADE MC9->MC11 Upgrade Micro-Cap 11 from MC9	1290
MC11-UG8	UPGRADE MC8->MC11 Upgrade Micro-Cap 11 from MC8	1750
	MICRO-CAP EDUCATIONALS	(€)
MC11-E	MICROCAP EDUCATIONAL Mixed-Mode E-Circuit Simulator	990
	Upgrades Edu's: (call for earlier upgrades down to MC5 V.2)	(€)
MC11-UG10E	MICROCAP UPGRADE EDU. Micro-Cap 11 Upgrade MC10->MC11	230
MC11-UG9E	MICROCAP UPGRADE EDU. Micro-Cap 11 Upgrade MC9->MC11	360
	Options:	(€)
MC-BUCH	MICRO-CAP BUCH DEUTSCH 316 S./123 Abb./18 Tab./20 Übg.....	20
MCX-LUD	MICROCAP LAN UPDATE Micro-Cap Single -> LAN Update	290
MCX-KEY	CONVERT LPTX<->USB Key exchange LPTx <-> USB	290
MCX-ESW	ENHANCEMENT SOFTWARE SW substitutes USB/LPTx ports	790

DipTrace Software



	DIPTRACE 3.0	(€)
DIP FULL	FULL VERSION EDA unlimited pins,unlimited layers	1.085
DIP EXTNEDED	EXTENDED VERSION EDA 2000 pins, 6 signal layers	630
DIP STANDARD	STANDARD VERSION EDA 1000 pins, 4 signal layers	355
DIP LITE	LITE VERSION EDA 500 pins, 2 signal layers	130
DIP STARTER	STARTER VERSION EDA 300 pins, 2 signal layers	65
	Non-Profit Versions: (Pls. contact us prior to ordering)	(€)
DIP NP-FULL	FULL VERSION EDA unlimited pins,unlimited layers	265
DIP NP-EXTNEDED	EXTENDED VERSION EDA 2000 pins, 6 signal layers	190
DIP NP-STANDARD	STANDARD NON-PROFIT VERSION EDA 1000 pins, 4 signal layers	95

Device Programmers

TopMax / ChipMax - E.E. Tools



	UNIVERSAL - PROGRAMMERS / USB	(€)
TOPMAX2	UNIVERSALPROGRAMMER 48 pin, AC-Adapt., Win-SW, USB	850
CHIPMAX2	UNIVERSALPROGRAMMER 48 pin, AC-Adapt., Win-SW, USB	545
PROMAX-4G	GANG PROGRAMMER Concurrent Univ.High Speed,USB2	2.350

AP-114 – Atomic



	ISP / JTAG - PROGRAMMER / USB	(€)
AP-114	ISP/JTAG PROGRAMM.SYSTEM 10+14 pin cables,USB, Software	390
Options:		
PA-6SOT-1	6 PIN 1-1 6 pin SOT to 0.3" DIP	110
PA-6SOT-2	6 PIN 24AA08 EEPROM 6 pin SOT to 0.3" DIP	110
PA-6SOT-3	6 PIN 24AA00 EEPROM 6 pin SOT to 0.3" DIP	110
PA-6SOT-4	6 PIN 93AA66C EEPROM 6 pin SOT to 0.3" DIP	110
PA-6SOT-5	6 PIN PIC10F20 EEPROM 6 pin SOT to 0.3" DIP	110
PAJ-16SO-3	SOP EEPROM ADAPTER AP-114 specific, 3.9mm body	130
PAJ-16SO-4	SOP EEPROM ADAPTER AP-114 specific, 5.3mm body	110
PAJ-28DIP-1	DIP EEPROM ADAPTER AP-114 specific adapter	110

Adapters & Converters

Programming Adapters - Standard



	(P) LCC MEMORY	(€)
PA32PL28D-YA	EPR 2764..512 PLCC-Adapter, nc:1,12,17,26 (EET)	70
PA32-28Z	EPR 2764..512 LID (P)LCC-Adapter,nc:1,12,17,26	90
PA32PL32D-YA	EPR 27010..080 PLCC-Converter 32-PLCC->32-DIP (EET)	70
PA32-32Z	EPR 27010..080 LID (P)LCC-Converter	90
PA280-44	EPR 27210..4096 PLCC-Adapter, nc:1,13,23,33	115
PA280-44Z	EPR 27210..4096 (P)LCC-Adap./Lid, nc:1,13,23,33	135
	(P) LCC / SOT MICROCONTROLLERS	(€)
PA06-08-2SOT3	MIC PIC10F SOT for PIC10F series, 6-pin SOT	115
PA28-24-3P6	MIC 87C751 28PLCC->24DIP, nc:5,10,21,22	80
PA51-44	MIC 8751/48/49 PLCC PLCC-Converter, nc:1,12,23,34	115
PA51-44Z	MIC 8751/48/49 FAMILY (P)LCC-Conv./Lid, nc:1,12,23,34	135
	(P) LCC PLD	(€)
PA28-28	PLD 26CV12 28 pin PLCC->DIP	70
PA20-20	PLD PLCC CONVERTER 20 pin PLCC->DIP Dead Bug	80
PA28-24-1P6	PLD TYP 20X10 PLCC-Converter, nc:5,8,11,19	80
PA28-24-2P6	PLD TYP 2XV10/20V8 PLCC-Converter, nc:1,8,15,22	80
PA28-28Z	PLD 26CV12 28 pin PLCC->DIP lidded	90
PA20-20Z	PLD PLCC CONVERTER 20 pin (P)LCC Converter lidded	100
PA28-24-2PZ6	PLD TYP 2XV10/20V8 PLCC-Conv. nc:1,8,15,22, lidded	100
	(P) LCC UNIVERSAL	(€)
PA44-48U	UNI PLCC ADAPTER 44 pin PLCC universal autoeject (EET)	115
PA44-48UZ	UNI PLCC ADAPTER 44 pin PLCC universal lid (EET)	135
	SOP UNIVERSAL	(€)
PA8S01-03	SOP CONVERTER 8 pin SOP->DIP 3.9mm body	60
PA8S01-2006	SOP CONVERTER 8 pin SOP->DIP 5.3mm body	70
PA8S06-0T	SOP CONVERTER 8 pin SOP->DIP 3.0mm body	80
PA14S01-03	SOP CONVERTER 14 pin SOP->DIP 3.9mm body	60
PA14S01-2006	SOP CONVERTER 14 pin SOP->DIP 5.3mm body	70
PA16S0116D-EO	SOP CONVERTER 16 pin SOP->DIP 3.9mm body (EET)	80
PA16S01-03	SOP CONVERTER 16 pin SOP->DIP 3.9mm body	60
PA16S01-06	SOP CONVERTER 16 pin SOP->DIP 8.4mm body	70
PA16S01-08	SOP CONVERTER 16 pin SOP->DIP 7.8mm body	70
PA16S01-2006	SOP CONVERTER 16 pin SOP->DIP 5.3mm body	70
PA18S01-08	SOP CONVERTER 18 pin SOP->DIP 7.8mm body	70
PA20S01-08	SOP CONVERTER 20 pin SOP->DIP 7.8mm body	70
PA20S01-2006	SOP CONVERTER 20 pin SOP->DIP 5.3mm body	70
PA24S01-08	SOP CONVERTER 24 pin SOP->DIP 7.8mm body	70
PA28S028DA	SOP CONVERTER 28 pin SOP->DIP 7.8mm body	80
PA32S0-652D	SOP CONVERTER 32 pin SOP-DIP 7.6mm body	70
PA32S01	SOP CONVERTER 32 pin SOP->DIP 11.4mm body	95
PA40S01	SOP CONVERTER 40 pin SOP->DIP 11.4mm body	105
PA44S044D	SOP CONVERTER 44 pin SOP->DIP 13.3mm body	135

	TSOP / QSOP ADAPTERS / CONVERTERS	(€)
PA20QS-OT	QSOP CONVERTER 20 pin QSOP->DIP 1:1	95
PA24QS-OT	QSOP CONVERTER 24 pin QSOP->DIP 1:1	95
PA28TS28D-EO	TSOP CONVERTER 28 pin TSOP->DIP converter	85
PA28QS-OT	QSOP CONVERTER 28 pin QSOP->DIP 1:1	95
PA32TS14-OT	TSOP CONVERTER 32 pin TSOP->DIL 12.4mm body	95
PA32TS32D	TSOP CONVERTER Standard:1-25,2-26, 18.4mm body	95
PA40TS14-OT	TSOP CONVERTER 40 pin TSOP->DIL 12.4mm body	135
PA40TS40D	TSOP CONVERTER 40 pin TSOP->DIL 18.4mm body	135
PA44TS44D	TSOP ADAPTER 44 pin TSOP->DIP	135
PA48TS48D	TSOP ADAPTER 48 pin TSOP->DIP 18.4mm body	135
	SSOP / TSSOP ADAPTERS / CONVERTERS	(€)
PA16SS-OT-6	SSOP CONVERTER 16 pin SSOP->DIP 5.3mm body	80
PA20SS-OT-6	SSOP CONVERTER 20 pin SSOP->DIP 5.3mm body	80
PA28SS-OT-6	SSOP CONVERTER 28 pin SSOP->DIP 5.3mm body	80
PA8TSS8D	TSSOP CONVERTER 8 pin TSSOP->DIP 4.4mm body	95
PA24TSSD	TSSOP CONVERTER 24 pin TSSOP->DIP 4.4mm body	95
PA28TSSD-EO	TSSOP CONVERTER 28 pin TSSOP->DIP 4.4mm body	135
	(T) QFP UNIVERSAL	(€)
PA32TQ32D	UNI TQFP CONVERTER 32 Pin TQFP Converter	125
PA32Q1498	UNI QFP CONVERTER 32 pin QFP->32 pin DIP 7mm body	165
PA44Q-03	UNI TQFP CONVERTER 44 pin TQFP Universal Adapter	165
PA44Q-16	UNI QFP CONVERTER 44 pin QFP Universal Adapter	165
	(T) QFP DEDICATED	
PA51-QD-03	MIC 8751 FAMILY QFP QFP44->DIP40, nc:6,17,28,39	165
PA51-QD-06T	MIC 8751 FAMILY TQF TQFP44->DIP40, nc:6,17,28,39	165

Device Specific Adapters for E.E.Tools' Programmers

	DEVICE SPECIFIC ADAPTERS (in alphabetical order)	(€)
AS-84-28-02P-6	YAM ISPLSI1032X opt.Adapter 84 pin PLCC	265
CIC-48UBGA-40D-	B6-TI EPR BGA opt.Adapt.48 pin BGA	350
CIC-48UBGA-44D-	A6-YAM EPR BGA opt.Adapt.48 pin BGA	350
CIC-48UBGA-48D-	A6-TI EPR BGA opt.Adapt.48 pin BGA	350
CIC-56SS-48D-	C6-TI DT28F160F opt.Adapt. 56 SSOP->48 DIP	240
HA48LG48DC	48-PIN LQFP ADAPTER 48 Pin LQFP-> 48 Pin DIP	235
HA63BG48DH	63-PIN BGA ADAPTER 63 pin BGA -> 48 pin DIP	260
HA64BG48DQ	64-PIN BGA ADAPTER 64 pin BGA -> 48 pin DIP	280
PA-EP1800	ADAPTER PLCC Altera EP1800/1810/1830	165
PA-ET64480	2Q600 64-PIN QFP opt.Adapt.MC68HC705X32/X4/X16	325
PA100TQ28D-YC	LATTICE LC4128V 100 pin TQFP Lattiec LC4128V	320
PA100TQ48D	PLD ALTERA EPM3128A 100 pin TQFP Altera EPM3128A	320
PA150X-84LC	PLD ATMEL ATF150X opt.Adapter 84 pin LCC	185
PA52-40C	MIC 87C196 FAMILY 52 pin PLCC Adapter Intel	165
PA52-48-01P-Y	52-PIN PLCC opt.Adapt.68HC705 B5/B16/B32	245
PA56SS48DA	EPR AMD 29BL802 opt.Adapt.56 SSOP Amd Flash	235
PA56SS48DB	EPR INTEL ADAPTER opt.Adapt. 56 SSOP->48 DIP	245
PA56TS48DB	EPR TSOP ADAPTER opt.Adapt.56 TSOP->48 DIP	240
PA56TS48DC	EPR TSOP ADAPTER opt.Adapt.56 TSOP->48 DIP	240
PA56TS48DD	EPR TSOP ADAPTER opt.Adapt.56 TSOP->48 DIP	245
PA64BG48DH	64-PIN BGA ADAPTER 64 pin BGA -> 48 pin DIP	280
PA64BG48DK	64-PIN BGA ADAPTER 64 pin BGA -> 48 pin DIP	280
PA64BG48DR	64-PIN BGA ADAPTER 64 pin BGA -> 48 pin DIP	280
PA64TQ40D	MIC TQFP ADAPTER 64 pin TQFP->40 pin DIP Micro.	270
PA68-40D	MIC 87C196KB/KC/KD opt.Adapter 68 pin PLCC Intel	165

PA68-48A	PLD XC7272 opt.Adapter 68 pin LCC	165
PA68-48B	PLD XC7354 opt.Adapter 68 pin LCC	165
PA68-48C	PLD XC7372 opt.Adapter 68 pin LCC	165
PA68-48D	MIC 68HC711 FAMILY 68 pin PLCC Adapter Motorola	165
PA68-48E	MIC 68HC11F1 FAMILY 68 pin PLCC Adapter Motorola	165
PA68PL40DG	MIC AT89C51XX ATMEL 68 pin PLCC Adapter Atmel	165
PA7064/96-68LC	EPM7064S/96 ALT. opt.Adapter 68 pin PLCC	165
PA7064/96-84LC	EPM7064S ALTERA opt.Adapter 84 pin PLCC	185
PA7128/E-84LC	EPM7128 ALTERA opt.Adapter 84 pin PLCC	185
PA80TQ40D	MIC TQFP ADAPTER 84 pin TQFP->40 pin DIP Micro.	280
PA84-40A	PLD EPM7064 ALTERA opt.Adapter 84 pin PLCC	195
PA84-40B	PLD EPM7096 ALTERA opt.Adapter 84 pin PLCC	195
PA84-48A	PLD XC7272 opt.Adapter 84 pin LCC	195
PA84-48B	PLD XC7372 opt.Adapter 84 pin LCC	195
PA84-48C	MIC 711K4 MOTOROLA opt.Adapter 84 pin PLCC	195
PA84-48D	MIC 711P2 MOTOROLA opt.Adapter 84 pin PLCC	195
PA84PL40DD	MIC H8/5XX HITACHI opt.Adapter 84 pin PLCC	195

Plugs & Spare Sockets



PLUGS DIP->PLCC

(€)

ADP28-32	EPR PLUG <= 512KBIT DIP->PLCC Plug, nc:1,12,17,26	105
ADP32-32	EPR PLUG 27010..80 DIP->PLCC Plug, one to one	105
DIP40-PLCC44	MIC PLUG 8751 FAM. PLCC->DIP Plug, nc:1,12,23,34	105

SPARE SOCKETS

(€)

IC120-0324-109	PLCC 32-PIN AUTO Yamaichi socket PLCC auto-eject (E.E.Tools)	30
IC120-0324-309	PLCC 32-PIN AUTO Yamaichi socket PLCC auto-eject (LSC Adapter)	30
IC120-0444-306	PLCC 44-PIN AUTO Yamaichi socket PLCC auto-eject	35
IC120-0844-103	PLCC 84-PIN AUTO Yamaichi socket PLCC auto-eject (E.E.Tools)	40
IC51-0324-453	PLCC 32-PIN LID Yamaichi socket PLCC lidded	45
IC51-0444-400	PLCC 44-PIN LID Yamaichi socket PLCC lidded	60
OTQ-44-0.8-03	QFP SOCKET ENPL. AutoEject QFP, 0.8mm, 10mm body	45
OTS-20-0.65-01	SSOP SOCKET ENPL. Open-top socket,20 pins,0.65mm	40
OTS-24-0.65-01	SSOP SOCKET ENPL. Open-top socket,24 pins,0.65mm	40
OTS-44-1.27-03	SOP SOCKET ENPL. Open-top SOIC,Gold,1.27mm	45
40TSJ-W20	TSOP OT TEST SOCKET Wells 648-0402211-A01 40 pin	45
48TSJ-W20	TSOP OT TEST SOCKET Wells 648-0482211-A01 48 pin	45
FPQ-44-0.8-03	TQFP SOCKET Enplas, 44-pin. Open Top	45
FPQ-44-0.8-16A	PQFP SOCKET Enplas, 44-pin. lidded	45