





# Comparison Chart for *Music Production Center Series*

	MPC4000Plus	MPC2500	MPC1000BK	MPC500
				
<b>AKAI professional</b>				
Feature	Studio model with top end pro specs and features.	Studio model contains similar 4000 style features. Includes 8 +2 outs; expandable.	Legendary MPC features, 4+2 outs, expandable, compact & user friendly.	Legendary MPC features, stereo ins & outs, portable, battery operated.
<b>Sampler Section</b>				
Data Format	16/24 bit	16 bit	16 bit	16 bit
Sampling Rate	96/48/44.1kHz	44.1kHz	44.1kHz	44.1kHz
Program Type(KeyGroup)	O	X	X	X
Program Type(Drum)	O	O	O	O
Standard Memory Size	272(16MB+256MBDIMM)/MB	16MB	16MB	16MB
Max Memory Size	512MB(DIMM)	128MB(Option EXM128)	128MB(Option EXM128)	128MB(Option EXM128)
Polyphony	64	32	32	Up to 32 (depending on processing)
Preset Sound	x	O(5MB)	O(5MB)	O(5MB)
Filter	2 pole x 3	2 pole x2	2 pole x2	2 pole x2
Filter Type	Low / High /Band / Notch	Low / High / Band	Low / High / Band	Low / High / Band
Envelope Generator	3 (AMP,FILTER,AUX)	2 (AMP,FILTER)	2 (AMP,FILTER)	1 (AMP)
LFO	2	1	1	X
<b>Sequencer Section</b>				
Resolution	96 clock / Quarter note	96 clock / Quarter note	96 clock / Quarter note	96 clock / Quarter note
Event	300,000 step	100,000 step	100,000 step	100,000 step
Sequence	128	99	99	99
Track	128	64	64	48
Song	128 (250 step / song )	20 (250 step / song)	20 (250 step / song)	20 (250 step / song)
MIDI	64ch (external MIDI)+32parts(internal)	64ch (external MIDI)	32ch (external MIDI)	16ch (external MIDI)
Sync Type	MTC,MIDI clock,SMPTE	MIDI clock, MTC, MMC	MIDI clock	MIDI clock
<b>Pad Section</b>				
Type	Full size x 16	Full size x 16	3/4 height x16	3/4 height x12
Bank	6	4	4	4
<b>Effects</b>				
Effects	4 ( 2 with 96kHz)	2	2	2
Master Effect	X	EQ,Compressor	EQ,Compressor	EQ,Compressor
<b>Connector</b>				
Analog input	XLR/PHONE combo( balance) x 2	PHONE( balance) x 2	PHONE( balance) x 2	PHONE( balance) x 2
Phono input	O	x	x	x
Analog output	XLR ( balance) x 2 PHONE( balance) x 2	PHONE( balance) x 2	PHONE( unbalance) x 2	PHONE( unbalance) x 2
Individual Analog Outs	Standard (2) - Optional(8)	Standard (8 + 2)	Standard (4 + 2)	Standard (2)
Head phone	O	O	O	O
Digital input	RCA (SPDIF) x 1 (option)	RCA (SPDIF)	RCA (SPDIF)	X
Digital output	RCA (SPDIF) x 1 (option)	RCA (SPDIF)	RCA (SPDIF)	X
Word sync	BNC x 1 (option)	X	X	X
MIDI input	2	2	2	1
MIDI output	4	4	2	1
SMPTE	IN , OUT	X	X	X
USB host	O	X	X	X
USB slave	O(for using akSys only)	O(USB Mass storage class support)	O(USB Mass storage class support)	O(USB Mass storage class support)
SCSI	High pitch 50 pin	X	X	X
Foot switch	2	2	2	X
Expandable bay	3.5 inch x 1 / 5 inch x 1	2.5 inch HDD x 1 / CD drive bay x 1	2.5 inch HD Dx 1	X
Internal storage	ATA, SCSI	ATA(2.5inch HDD option)	ATA(2.5inch HDD option)	X
External storage	USB,SCSI	Compact Flash	Compact Flash	Compact Flash
<b>Display</b>				
	Monochrome Backlit 320 x 240	Monochrome Backlit 240 x 64	Monochrome Backlit 240 x 64	Monochrome Backlit 2 x 16 Character LCD
<b>Function</b>				
Input Thru	X	O	O	X
Q-Link knob /slider	4 x knob, 2 x Slider	2 x knob, 2 x slider	2 x Slider	1 x Slider
Q-Link sequence	O	X	X	X
Q-FX	O	X	X	X
Graphic editor	O	X	X	X
Phrase library	O	X	X	X
Grid sequence EDIT	O	O	X	X
Next Sequence Function	O	O	O	O
TrackMute with PAD	O	O	O	O
Time stretch	O	O	O	O
Patched phrase	X	O	x	X
Reverse	O	O	O	O
Slice(EQUALY)	O	O	O	X
Slice(AUTO)	X	O	X	X
<b>akSys</b>	O	X	X	X
<b>Options</b>				
Effect board	Standard equipment	Standard Equipment	Standard Equipment	Standard Equipment
Digital I/O board	IB-4D	Standard Equipment	Standard Equipment	X
Adat Interface board	IB-4ADT	X	X	X
Individual Analog Outs	IB-48P	Standard Equipment (8+2)	Standard Equipment (4+ 2)	Standard Equipment (2)
Internal CD-R/W drive	Standard Equipment( ATA HDD)	CD/DVD drive option: CD-M25	X	X
Internal HD drive	Standard Equipment( 80GB 3.5inch)	ATA 2.5inch HDD (option)	ATA 2.5inch HDD (option)	X
Expansion memory	Up to 512 MB DIMM (General purpose)	EXM128 (option)	EXM128 (option)	EXM128 (option)
<b>Power requirement</b>	100 - 240V	100 - 240V	100 - 240V	12VDC
<b>Dimension(W x H x D) mm</b>	526 x 170 x 453	415 x 85 x 327	330 x 75.5 x 228.2	266 x 44 x 175
<b>Weight (kg)</b>	12	6	3.45	1.34
<b>Standard accessories</b>	Manual , AC Cord Sound Library CD-ROM ak.Sys CD-ROM	Manual X2 , AC Cord CF card w / AKAI Bonus Tracks	Manual X2, AC Cord CF card w / AKAI Bonus Tracks	Manual X2, Power supply CF card w / AKAI Bonus Tracks