





# Comparison Chart for Music Production Center Series

	MPC5000	MPC2500	MPC1000BK	MPC500
				
Feature	Flagship MPC with several first-ever MPC features including analog synth.	Studio model. 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 bit	16 bit	16 bit	16 bit
Sampling Rate	44.1kHz	44.1kHz	44.1kHz	44.1kHz
20 voice Internal Virtual Analog Synth	Yes	No	No	No
Standard Memory Size	64MB	16MB	16MB	16MB
Max Memory Size	196MB (Option EXM-E3)	128 MB (Option - EXM128)	128 MB (Option - EXM128)	128 MB (Option - EXM128)
Polyphony	64	32	32	Up to 32 (depending on processing)
Filter	1 Variable Multimode Filter (Up to 8 Pole)	2 pole x2	2 pole x2	2 pole x2
Filter Type	Low / High /Band pass / Band stop/ Band Boost/ 3 Analog Modeled/ 3 Vocal Formant	Low / High / Band	Low / High / Band	Low
Envelope Generator	2 (AMP, FILTER)	2 (AMP, FILTER)	2 (AMP, FILTER)	1 (AMP)
LFO	1 (2 for VA Programs)	1	1	No
<b>Sequencer Section</b>				
Resolution	960 clock / Quarter note	96 clock / Quarter note	96 clock / Quarter note	96 clock / Quarter note
Event	100,000 step	100,000 step	100,000 step	100,000 step
Sequence	99	99	99	99
Track	64	64	64	48
Song	20 (250 step / song)	20 (250 step / song)	20 (250 step / song)	20 (250 step / song)
MIDI	64ch (external MIDI) +32 parts (internal)	64ch (external MIDI)	32ch (external MIDI)	16ch (external MIDI)
Sync Type	MIDI clock, MTC, MMC	MIDI clock, MTC, MMC	MIDI clock	MIDI clock
HD Recording	8 Track hard disk streaming	No	No	No
<b>Pad Section</b>				
Type	Full size x 16	Full size x 16	3/4 height x16	3/4 height x12
Bank	4	4	4	4
<b>Effects</b>				
Simultaneous Effects	8 (4 busses)	2	2	2
Master Effect	EQ, Compressor	EQ, Compressor	EQ, Compressor	EQ, Compressor
<b>Connector</b>				
Analog input	XLR / PHONE combo (balanced) x 2	PHONE (balanced) x 2	PHONE (balanced) x 2	PHONE (balanced) x 2
Phono input	Yes	No	No	No
Analog output	PHONE (balanced) x 2	PHONE (balanced) x 2	PHONE (unbalanced) x 2	PHONE (unbalanced) x 2
Individual Analog Outs	Standard (8 + 2)	Standard (8 + 2)	Standard (4 + 2)	Standard (2)
Head phone	Yes	Yes	Yes	Yes
Digital input	RCA (S/PDIF)	RCA (S/PDIF)	RCA (S/PDIF)	No
Digital output	RCA (S/PDIF), 8Ch. ADAT Lightpipe	RCA (S/PDIF)	RCA (S/PDIF)	No
MIDI input	2	2	2	1
MIDI output	4	4	2	1
USB slave	Yes (USB Mass storage class support)	Yes (USB Mass storage class support)	Yes (USB Mass storage class support)	Yes (USB Mass storage class support)
Drive Access	Simultaneous access to CF and HD via USB 2.0	Selectable access to CF and HD via USB	Selectable access to CF and HD via USB	Access to CF Via USB
Foot switch	2	2	2	No
Expandable bay	CD drive bay x 1	2.5" HDD x 1 / CD drive bay x 1	2.5" HD Dx 1	No
Internal storage	ATA (3.5" HDD Standard)	ATA (2.5" HDD option)	ATA (2.5" HDD option)	No
External storage	Compact Flash	Compact Flash	Compact Flash	Compact Flash
<b>Display</b>				
	Monochrome Backlit 240 x 128	Monochrome Backlit 240 x 64	Monochrome Backlit 240 x 64	Monochrome Backlit 2 x 16 Character LCD
<b>Function</b>				
Input Thru	Yes	Yes	Yes	Yes
Q-Link knob/slider	8 knobs, 4 sliders	2 knobs, 2 sliders	2 sliders	1 slider
Q-Link Send MIDI	Yes	No	No	no
Library	Yes (600 MB content on HD)	No	No	No
Grid sequence EDIT	Yes	Yes	No	No
Piano Roll EDIT	Yes	No	No	No
Next Sequence Function	Yes	Yes	Yes	Yes
TrackMute with PAD	Yes	Yes	Yes	Yes
Padmute with PAD	Yes	No	No	No
Time stretch	Yes	Yes	Yes	Yes
Patched phrase	Yes	Yes	No	No
Reverse	Yes	Yes	No	Yes
Slice(EQUALY)	Yes	Yes	Yes	No
Slice(AUTO)	Yes	Yes	No	No
<b>Options</b>				
Internal CD-R/W drive	CD/DVD drive option: CD-M25	CD/DVD drive option: CD-M25	No	No
Internal HD drive	Standard Equipment (80 GB 3.5")	ATA 2.5" HDD (option)	ATA 2.5" HDD (option)	No
Expansion memory	EXM-E3 (Option)	EXM128 (option)	EXM128 (option)	EXM128 (option)