






Comparison Chart for *Music Production Center Series*

| Model | 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. |
| Sampler Section | | | | |
| 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 |
| Sequencer Section | | | | |
| 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 |
| Pad Section | | | | |
| Type | Full size x 16 | Full size x 16 | 3/4 height x16 | 3/4 height x12 |
| Bank | 4 | 4 | 4 | 4 |
| Effects | | | | |
| Simultaneous Effects | 8 (4 busses) | 2 | 2 | 2 |
| Master Effect | EQ, Compressor | EQ, Compressor | EQ, Compressor | EQ, Compressor |
| Connector | | | | |
| 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 |
| Display | | | | |
| | Monochrome Backlit 240 x 128 | Monochrome Backlit 240 x 64 | Monochrome Backlit 240 x 64 | Monochrome Backlit 2 x 16 Character LCD |
| Function | | | | |
| Input Thru | Yes | Yes | Yes | No |
| 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 |
| Options | | | | |
| 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) |