

Professional Arranger Comparison



Pa300



Pa600 / Pa600 QT



Pa700 / Pa700 ORT



Pa1000



Pa4X

Performance Capabilities

Sound & Drum Kit	Factory: 950+ Sounds, 64 Drum Kits User: 256 Sounds, 128 Drum Kits GM Sound Set Full Sound edit function	Factory: 950+ Sounds, 64 Drum Kits User: 256 Sounds, 128 Drum Kits GM Sound Set & DNC Technology Full Sound edit function <i>*Pa 600 QT: including Iran/Turkey/Lebanon sounds & styles</i>	Factory: 1700+ Sounds & 106 Drum Kits User: 512 Sounds, 256 Drum Kits GM/XG Sound Set & DNC Technology Full Sound edit function & Digital Drawbar Sound <i>*Pa 700 ORIENTAL: including Iran/Turkey/Lebanon sounds & styles</i>	Factory: 1750+ Sounds & 107 Drum Kits User: 512 Sounds, 256 Drum Kits GM/XG Sound Set & DNC Technology Full Sound edit function & Digital Drawbar Sound	Factory: over 1,900 Factory Sounds New multilayer Stereo Piano w/ damper/body resonance, GM/XG Sound Set & 110+ Drum Kits DNC Tech. & Ambient Drums User Area: 768 Sounds, 384 Drum Kits Full Sound edit function & Digital Drawbar Sound
Style	Factory: 310+ User: 1,040 locations including The Favorite/User banks Full Style editing capability	Factory: 360+ User: 1,200 locations including the Favorite/User banks Full Style editing capability <i>*Pa 600 QT: Iran/Turkey/Sounds compatible with Arabic music are recorded as presets</i>	Factory: 370+ User: 1,152 locations including User/Direct banks Full Style editing capability <i>*Pa700 ORIENTAL: Iran/Turkey/Sounds compatible with Arabic music are recorded as presets</i>	Factory: 420+ User: 1,152 locations including User/Direct banks Full Style editing capability	Factory: 580+ User: 1,248 locations, including User, Favorite & Direct banks Full Style editing capability
Performance Keyboard Set	240 Keyboard Performance locations, My Setting special Performance	320 Keyboard Performance locations, My Setting special Performance	Factory: 290+ User: 864 locations including User & Direct My Setting special Keyboard Set	Factory: 300+ User: 864 locations including User & Direct My Setting special Keyboard Set	Factory: 500+ User: 1056 locations including User & Direct My Setting special Keyboard Set
Real-Time Tracks	Four Keyboard tracks (Upper 1, 2, 3, Lower)	Four Keyboard tracks (Upper 1, 2, 3, Lower)	Four Keyboard tracks (Upper 1, 2, 3, Lower)	Four Keyboard tracks (Upper 1, 2, 3, Lower)	Four Keyboard tracks (Upper 1, 2, 3, Lower)
Chord Sequencer	No	Yes (not saved)	Yes - Chord sequence can be saved in each style or Songbook	Yes - Chord sequence can be saved in each style or Songbook	Yes - Chord sequence can be saved in each style or Songbook
Automatic Style Creator	No	No	"SMF to Style" converter	"SMF to Style" converter	"SMF to Style" converter

Size & Design

Keyboard	61 keys with Velocity	61 keys with Velocity	61 keys with Velocity	61 light-weighted keys with Velocity & Aftertouch	61 and 76 keys semi-weighted with Velocity & Aftertouch
Dimensions	1,030 x 378.3 x 127 mm / 40.55 x 14.89 x 5.00 in (without music stand)	1,030 x 378 x 127 mm / 40.55 x 14.88 x 5.00 in (without music stand)	1030 x 378.3 x 132 mm / 40.55" x 14.89" x 5.2" (without music stand)	1030 x 378.3 x 133 mm / 40.55" x 14.89" x 5.36" (without music stand)	Pa4X-76: 1192 x 364.4 x 125.56 mm / 46.93" x 14.35" x 4.94" Pa4X-61: 980 x 364.4 x 125.56 mm / 38.58" x 14.35" x 4.94" (without music stand)
Weight	8.35 kg / 18.41 lbs	9.74 kg / 21.47 lbs	9.9 kg / 21.82 lbs	10.75 kg / 23.7 lbs	Pa4X-76: 16.3 kg / 35.93 lbs Pa4X-61: 13.9 kg / 30.64 lbs
Speaker System	2 x 100 mm Double Cone in Bass Reflex Box	2 x 100 mm Double Cone in Bass Reflex Box	2 x 100 mm Double Cone in Bass Reflex Box	2 x 100 mm Woofer in Bass Reflex Box 2 x 25 Dome Tweeter	Optional PaAS
Amplifier	13 W x 2	15 W x 2	25 W x 2	33 W x 2	Optional PaAS
Touch View Color Display	5" TFT	7" TFT	7" Capacitive TFT	7" Capacitive TFT Tilting Screen	7" Capacitive TFT Tilting Screen
Programmable Controls	Joystick	Joystick 2 Assignable switches	Joystick 3 Assignable switches 2 Assignable knobs	Joystick 3 Assignable switches 2 Assignable knobs	Joystick 3 Assignable switches 8 Assignable sliders Ribbon

Sampling

Size of User Sample PCM	32 MB	96 MB	Pa700 = 128 MB (Linear) 256 MB (w/Compression) Pa700 ORIENTAL = 160 MB (Linear) 320 MB (w/Compression)	300 MB (Linear) 600 MB (w/Compression)	1.5 GB (Linear) 3 GB (w/Compression)
PCM Edit	Yes Load: Korg, Wav, AIFF, SoundFont Formats Save: Korg, Wav, AIFF formats Full Edit, Time Slice	Yes Load: Korg, Wav, AIFF, SoundFont Formats Save: Korg, Wav, AIFF formats Full Edit, Time Slice	Yes Load: Korg, Wav, AIFF, SoundFont Formats Save: Korg, Wav, AIFF formats Full Edit, Time Slice	Yes Load: Korg, Wav, AIFF, SoundFont Formats Save: Korg, Wav, AIFF formats Full Edit, Time Slice	Yes Load: Korg, Wav, AIFF, SoundFont Formats Save: Korg, Wav, AIFF formats Full Edit, Time Slice & Sampling Feature

Audio & Effects

Effects	Style/Song: 2 Master FX (125 types) Keyboard: 2 Master FX (125 types) Three band EQ for each track Final mastering effects: Limiter, Master EQ	Style/Song: 2 Master FX (125 types) Keyboard: 2 Master FX (125 types) Three band EQ for each track Final mastering effects: Limiter, Master EQ	Style/Song: 2 Insert FX; 2 Master FX (148 types) Keyboard: 1 Insert FX; 2 Master FX (148 types) Three band EQ for each track Final mastering effects: Limiter, Master EQ Voice Proc.: 5 FX, 28 Factory, 64 User Presets Guitar Proc.: 3 FX, 45 Factory, 64 User Presets	Style/Song: 2 Insert FX; 2 Master FX (148 types) Keyboard: 1 Insert FX; 2 Master FX (148 types) Three band EQ for each track Final mastering effects: Limiter, Master EQ Voice Proc.: 5 FX, over 30 Factory, 64 User Presets Guitar Proc.: 3 FX, 45 Factory, 64 User Presets	Style/Song: 4 Insert FX; 3 Master FX (148 types) Keyboard: 1 Insert FX; 2 Master FX (148 types) Three band EQ for each track Final Mastering Effects: Waves Audio Ltd. MAXX Suite including MaxxEQ™, MaxxBass™, MaxxTreble™, MaxxStereo™, MaxxVolume™
KAOSS Function	No	No	Yes (Styles & SMF Song data) 67 preset - controlled via touch display	Yes (Styles & SMF Song data) 67 preset - controlled via touch display	Yes (Styles & SMF Song data) 67 preset - controlled via touch display
Mic Input - Vocal Harmony	No	No	Yes with FX No Vocal Harmony	Yes with FX 3 Voices Vocal Harmony Using TC Helicon technology 5 panel controls	4 Voices TC Helicon Harmonizer, Double, μMod, Reverb, Delay, Filter, HardTune, Pitch Correction; plus Compressor, EQ, Gate Adaptive Mic Setting on the Mic input 7 panel controls
Song Player	Single Player (MIDI, KAR, MP3+lyrics, MP3+G) Lyrics, Score & Marker Function Juke Box Function	Single Player (MIDI, KAR, MP3+lyrics, MP3+G) Lyrics, Score & Marker Function Juke Box Function	Single Player (MIDI, KAR, MP3+lyrics, MP3+G) Lyrics, Score & Marker Function Juke Box Function	XDS Double Player (MIDI, KAR, MP3+lyrics, MP3+G) with X-Fader Balance control Lyrics, Score & Marker Function Juke Box Function	XDS Double Player (MIDI, KAR, MP3+lyrics, MP3+G) with X-Fader Balance control Lyrics, Score & Marker Function Juke Box Function
Audio Player	Single MP3 Player Key Transpose (+6/-5 semitones) Tempo Change (±30%) Vocal Remover	Single MP3 Player Key Transpose (+6/-5 semitones) Tempo Change (±30%) Vocal Remover	Single MP3 Player Key Transpose (+6/-5 semitones) Tempo Change (±30%) Vocal Remover	Double MP3 Player Transpose (+6/-5 semitones) Tempo change (±30%) Vocal Remover	Double MP3 Player Transpose (+6/-5 semitones) Tempo change (±30%) Vocal Remover
Audio Recording	Records MP3 including Styles, MIDI Songs, Keyboard Sounds, Pads	Records MP3 including Styles, MIDI Songs, Keyboard Sounds, Pads	Records MP3 including Styles, MIDI Songs, MP3 Songs, Keyboard Sounds, Pads, Microphone, Effects, & KAOSS Effects	Records MP3 including Styles, MIDI Songs, MP3 Songs, Keyboard Sounds, Pads, Microphone, Effects, & KAOSS Effects	Records MP3 including Styles, MIDI Songs, MP3 Songs, Keyboard Sounds, Pads, Microphone, Effects, & KAOSS Effects
Musical Database (SongBook)	Fully programmable music database, based on Styles, SMF, Karaoke, MP3 with automatic Selection of Style Play & Song Play modes User-definable custom lists Filtering options	Fully programmable music database, based on Styles, SMF, Karaoke, MP3 with automatic Selection of Style Play & Song Play modes User-definable custom lists Filtering options	Fully programmable music database, based on Styles, SMF, Karaoke, MP3 with automatic Selection of Style Play & Song Play modes User-definable custom lists Filtering options	Fully programmable music database, based on Styles, SMF, Karaoke, MP3 with automatic Selection of Style Play & Song Play modes User-definable custom lists Filtering options	Fully programmable music database, based on Styles, SMF, Karaoke, MP3 with automatic Selection of Style Play & Song Play modes User-definable custom lists Filtering options

Connectivity

Audio Input	No	L/R Line in	L/Mic/Guitar with Input Gain knob, R	L/Mic/Guitar with Input Gain knob, R	Mic: Combo XLR balanced With Gain control & Phantom Power Line 1: Left/Right Jack (1/4") Line Input, balanced Line 2: Stereo Mini-jack (1/8") Line Input, unbalanced
Audio Output	Line/Headphones (stereo jack)	L/R Line out, Headphones	L/R Line out, Headphones	L/R Line out, Headphones	L/R, Separate Out 1, Out 2, Headphones
Control Input	Damper, Assignable	Damper, Assignable	Damper, Assignable	Damper, Assignable	Damper, Assignable, EC5
USB-Terminal	1 Host (R) - 1 Device (R)	1 Host (R) - 1 Device (R)	1 Host (R) - 1 Device (R)	2 USB Host (Front/Rear) - 1 USB Device (R)	2 USB Host (Front/Rear) - 1 USB Device (R)
USB to MIDI	Through Device port	Through Device port	Through Host & Device ports	Through Host & Device ports	Through Host & Device ports
MIDI DIN Socket	No	In/Out	In/Out	In/Out	In/Out/Thru
Media	USB memory stick	USB memory stick microSD Card Used as a dongle for protected data	USB memory stick microSD Used as a dongle and as mass storage	USB memory stick microSD Used as a dongle and as mass storage	Hard Disk (optional in 61 key version) USB memory stick microSD Used as a dongle and as mass storage
Video Out	No	No	Yes	Yes	Yes