

Which DSI Synth Should I Buy?

It all depends on what features you're looking for. The chart below shows how each synth differs.

FEATURE	PROPHET X	PROPHET REV2	OB-6	PROPHET-6	PRO 2	PROPHET 12	MOPHO x4
Voices	8 stereo, 16 mono	8-16	6	6	mono/4-voice paraphonic	12	4
Split/Stack	2-way split/bi-timbral	2-way split/bi-timbral				2-way split/bi-timbral	
Oscillators per voice	2	2 (plus sub osc, plus noise)	2 (plus sub osc, plus noise)	2 (plus sub osc, plus noise)	4 (plus sub osc)	4 (plus sub osc)	2 (plus 2 sub osc per voice)
Oscillator Type	digital with waveshaping	analog DCO with waveshaping	analog VCO	analog VCO	digital	digital	analog DCO
Superwaves	Yes, supersaw				Yes		
Linear FM Synthesis (DX-style)						Yes	
Digital Samples	Yes. Two 16-bit, 48 kHz multi-sampled instruments per preset						
Analog Filters	2 x analog 4-pole resonant low-pass filter per voice in 8-voice mode	1 low-pass (Curtis) 2/4-pole operation	state-variable (custom discrete) low-pass, band-pass, high-pass, notch	1 low-pass (custom discrete) 1 high-pass (custom discrete)	1 low-pass (custom discrete) 1 state-variable (custom discrete)	1 low-pass (Curtis) 1 high-pass (custom discrete)	1 low-pass (Curtis) 2/4-pole operation
Effects	2 digital effects per layer (4 Reverb, Chorus, Flanger, Phaser, Stereo Delay, Bucket-Brigade Delay, Distortion, Vintage Rotating Speaker, High-Pass Filter)	1 digital effect per layer (Chorus, Flanger, Phaser, Ring Mod, Mono Delay, Stereo Delay, Bucket-Brigade Delay, Reverb, Distortion, High-Pass Filter)	Dual digital effects processor (Chorus, Flanger, Phaser, Ring Mod, Delay, Bucket-Brigade Delay, Reverb - Hall, Room, Plate, Spring) Stereo Analog Distortion	Dual digital effects processor (Chorus, Flanger, Phaser, Ring Mod, Delay, Bucket-Brigade Delay, Reverb - Hall, Room, Plate, Spring) Stereo Analog Distortion	3 Digital Delays 1 BBD emulation 5 Character FX (Girth, Air, Hack, Decimate, Drive) Feedback Stereo Analog Distortion	4 Digital Delays 5 Character FX (Girth, Air, Hack, Decimate, Drive) Feedback Stereo Analog Distortion	
Mod Matrix	16 x 2 28 sources 88 destinations	8 x 2 22 sources 52 destinations	"X-Mod" 2 sources (Filter Env, VCO 2) 5 destinations (Freq 1, Shape 1, PW 1, LPF, HPF)	"Poly Mod" 2 sources (Filter Env, Osc 2) 5 destinations (Freq 1, Shape 1, PW 1, LPF, HPF)	16 x 2 50 sources 140 destinations	16 x 2 26 sources 100 destinations	4 x 2 20 sources 43 destinations
LFOs	4 per voice	4 per voice	1 global	1 global	4 per voice	4 per voice	4 per voice
Envelopes	4 (1 filter, 1 amplifier, 2 auxiliary)	3 (1 filter, 1 amplifier, 1 auxiliary)	2 (1 filter, 1 amplifier)	2 (1 filter, 1 amplifier)	5 (1 filter, 1 amplifier, 3 auxiliary)	4 (1 filter, 1 amplifier, 2 auxiliary)	3 (1 filter, 1 amplifier, 1 auxiliary)
Sequencer	64-step, polyphonic seq	64-step, polyphonic sequencer 16 step x 4 track gated step seq	64-step, polyphonic seq	64-step, polyphonic seq	16 steps x 16 tracks or 32 steps x 8 tracks monophonic/paraphonic		16 step x 4 track gated step seq
Arpeggiator	Yes	Yes	Yes	Yes	Yes	Yes, programmable	Yes
CV In/Out					Yes, 4 x 4		
Ext Audio Input					Yes		
Performance Touch Sliders	Yes				2	2	
Desktop version available?		Yes	Yes	Yes		Yes	
Polychain			Yes, 12 voices max	Yes, 12 voices max			Yes, 16 voices max
Keyboard Length	5 octaves, 61 keys	5 octaves, 61 keys	4 octaves, 49 keys	4 octaves, 49 keys	3.5 octaves, 44 keys	5 octaves, 61 keys	3.5 octaves, 44 keys
USB	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MIDI	In, Out, Thru	In, Out, Thru	In, Out, Thru	In, Out, Thru	In, Out, Out 2/Thru	In, Out, Thru	In, Out/Thru, Poly Chain
Pedal Inputs	1 sustain, 1 expression, 1 sequencer	1 sustain, 1 expression, 1 sequencer	1 sustain, 1 volume, 1 LP filter cutoff, 1 seq start/stop	1 sustain, 1 volume, 1 LP filter cutoff, 1 seq start/stop	1 sustain, 1 expression	1 sustain, 2 expression	1 sustain, 1 expression
Recommended For:	Studio or live performance. Super versatile, it has the power to modulate both samples and synth parameters. Great for traditional instruments such as piano, electric piano, organ, drums, strings, guitar, and also complex pads, effects, and evolving textures. Nearly endless sonic possibilities	Thick, warm, analog sound. Massive 16-voice polyphony. Great for both vintage synth tones and complex sound design through its deep modulation matrix. Two-part sound stacking and splitting provides flexibility and timbral complexity. Two powerful sequencers add vast possibilities for music composition and sound design. Amazingly versatile and a true analog powerhouse.	Classic big, punchy, Oberheim analog sound. Excels at everything a vintage poly synth does, but with a broader tonal palette and greater reliability. Fat tone, ease of use, built-in effects, and portability make it a natural for on stage. Equally well suited to studio work due to its superb sound and ability to sit well in a mix. Along with the Prophet-6, sets the standard for modern analog poly synths.	Classic big, punchy, Prophet analog sound. Excels at everything a vintage poly synth does, but with a broader tonal palette and greater reliability. Fat tone, ease of use, built-in effects, and portability make it a natural for on stage. Equally well suited to studio work due to its superb sound and ability to sit well in a mix. Along with the OB-6, sets the standard for modern analog poly synths.	Like the Prophet 12, a sound designer's dream that performs as either a mono synth or a 4-voice paraphonic synth. It has the depth of a modular and the CV connectivity to interface with one. Sophisticated multitrack sequencer ties into mod matrix and adds vast possibilities. Massive sound is well-suited to leads, basses, effects, complex evolving textures, and more. Nearly endless sonic possibilities.	A sound designer and performer's polyphonic dream synth. Super versatile, it has the depth of a modular but is faster and easier to use. Crystal-clear tone is great for complex pads, effects, and evolving textures, but handles classic synth sounds equally well. Nearly endless sonic possibilities.	All-analog, 4-voice poly synth. Same sound engine as Mopho and Mopho SE. Classic fat analog sound. Great for vintage tones and more. Flexible modulation matrix. A compact and versatile performer in the studio or on stage.