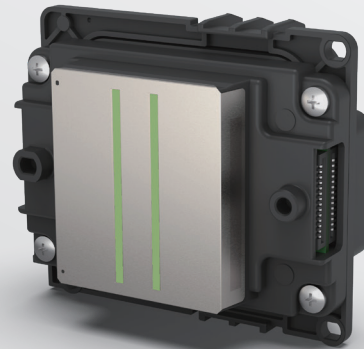


I 3200(4)



I 1600

Data Sheet

Inkjet Head I3200(4)/I1600 Series



PRECISION**CORE**

1. PrecisionCore Technology

- a. MEMS manufacturing and thin film piezo technology enable high precision and a high nozzle density, creating compact, high-speed, high-quality print heads with excellent image quality.
- b. Epson's unique precision MEMS nozzles and ink flow path, ensure that perfectly round ink droplets are placed accurately and consistently.

2. Support for greyscale

Epson's unique Variable Sized Droplet Technology (VSDT) delivers smooth graduations by ejecting droplets of different volumes.

3. High resolution

Ink ejection of up to 4 colours realizes with high resolution (600 dpi/colour). In addition to the I3200, I1600 has also been added to the lineup to meet various customers' needs.

4. High durability

PrecisionCore print heads have proven durability and extended service life demonstrated by Epson's own industrial printers.

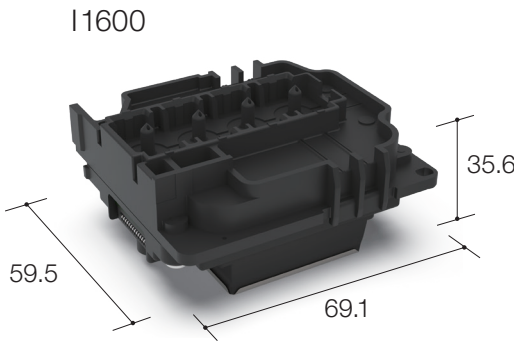
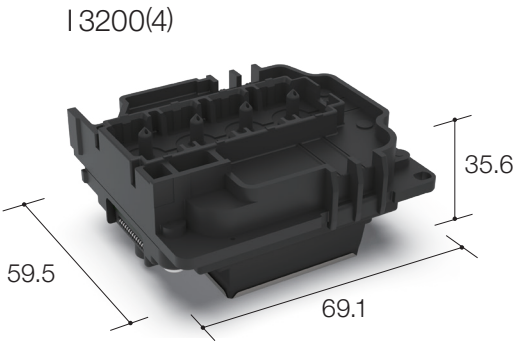
■ Product Specifications

Product name		I3200(4) -U1	I3200(4) -E1	I3200(4) -A1	I1600-U1	I1600-E1	I1600-A1
Ink type		UV / Eco Solvent		Aqueous	UV / Eco Solvent		Aqueous
Type		PrecisionCore MicroTFP printhead			PrecisionCore MicroTFP printhead		
Width x Depth x Height *		69.1 x 59.5 x 35.6 mm			69.1 x 59.5 x 35.6 mm		
Weight *		80g			80 g		
Number of nozzle		3200			1600		
Nozzle pitch / nozzle row		1/300 inch			1/300 inch		
Nozzle rows		8 rows			4 rows		
Nozzle Resolution		300 npi/row 600 npi/2 rows			300 npi/row 600 npi/2 rows		
Max. number of colour inks		4 colours			4 colours		
Effective print width		33.8 mm (1.33 inches)			33.8 mm (1.33 inches)		
Droplet ejection performance *	Binary	5 pl at 43.2 kHz	6 pl at 43.2 kHz	6 pl at 43.2 kHz	5 pl at 43.2 kHz	6 pl at 43.2 kHz	6 pl at 43.2 kHz
	3 levels grey scale	6.0, 12.5 pl at 21.6 kHz	6.3, 12.3 pl at 21.6 kHz	6.3, 12.3 pl at 21.6 kHz	6, 12.5 pl at 21.6 kHz	6.3, 12.3 pl at 21.6 kHz	6.3, 12.3 pl at 21.6 kHz
	4 levels grey scale	3.8, 6.2, 9.3 pl at 21.6 kHz	3.8, 5.5, 8.7 pl at 21.6 kHz	3.8, 6.1, 9.4 pl at 21.6 kHz	3.8, 6.2, 9.3 pl at 21.6 kHz	3.8, 5.5, 8.7 pl at 21.6 kHz	3.8, 6.1, 9.4 pl at 21.6 kHz
Viscosity range *		5.0-7.0 mPa·s	2.2-4.5 mPa·s	2.2-4.5 mPa·s	5.0-7.0 mPa·s	2.2-4.5 mPa·s	2.2-4.5 mPa·s
Ink recirculation		Not available			Not available		
Internal heater		Not available			Not available		
Positioning Mechanism		Reference hole			Reference hole		

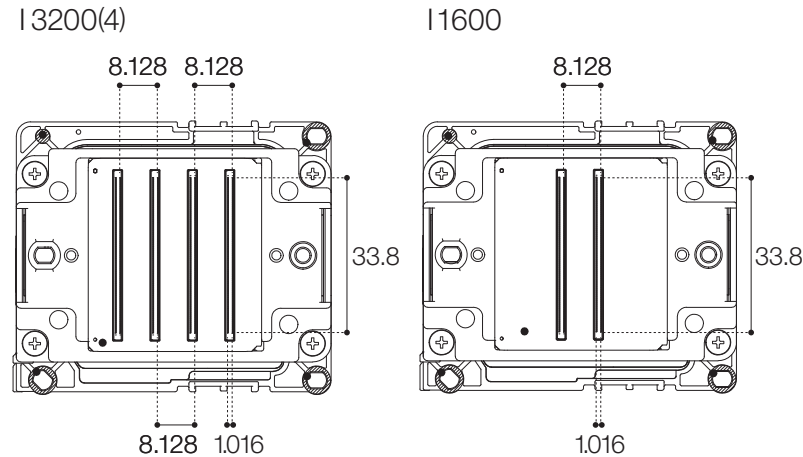
※ Epson's unique waveform design allows for a variety of greyscale and droplet size combinations.

*Figures are reference values

■ Product size (mm)



■ Nozzle (mm)



■ External dimensions (mm)

