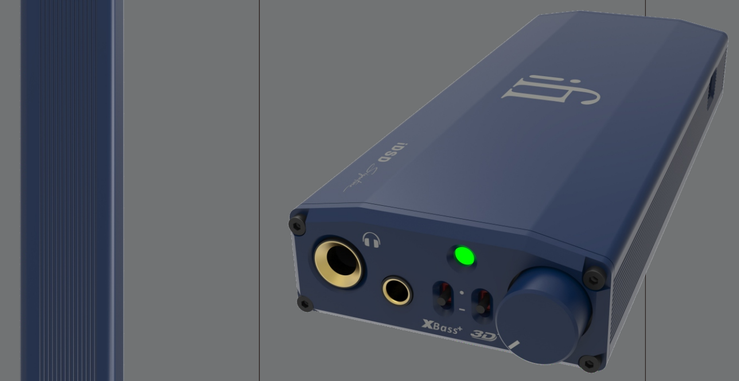

ifi micro

Signature iDSD

USB DAC Head amp
DSD512/PCM 768kHz/MQA

Balanced Performance — Fully balanced circuitry

MQA — Hi-Res Audio Streaming

headamp turbo — Headamp Turbo® 10V/4,100 mW to drive ANY headphone

Burr-Brown MultiBit — Burr-Brown® Chipset True Native DSD Bit-Perfect DXD/PCM

Signature iDSD

At the heart of **iFi micro iDSD Signature** beats the specially selected DSD1793 Burr Brown True Native chipset in a dual-core configuration, treating you to the ultra-high-resolution, native DSD512 decoding, that is second to none.

Thanks to S-Balanced 4.4mm (4,100mW) outputs the powerful **micro iDSD Signature** drives ultra-sensitive in-ear monitors just as well as the most demanding over-ear planar headphones with an unswerving authority.

A moment to remember with the ultra-low noise High-Bandwidth PSRR, advanced BiCMOS process and a PMOS pass device creating excellent transient response and PSRR performance.

Feel the quality with the iFi-designed, cutting-edge technological innovations such as Direct-Drive® and Headamp Turbo® and the upgraded XBass+®, 3D+®, Digital Filter (GTO)®, iEMatch® circuits.

Matching Bi-polar transistors welcome you to the dangerously addictive symphony of natural sound with extraordinary low distortion (THD + N 0,00006%). Equipped with the iFi custom ultra-low noise OV2028 Op-amps the micro iDSD Signature will take your music to the sonic stratosphere.

micro iDSD Signature® versus other leading DSD DACs

micro iDSD Signature	**Octa-Speed DSD512**
Others	**Quad-Speed DSD256**

micro iDSD Signature® versus other leading PCM DACs

micro iDSD Signature	**Double-DXD/PCM 768kHz**
Others	**HD/384kHz**

Technologies
- Octa-DSD512/PCM768 and 2X DXD.
- Dual-Core Native DSD/PCM Burr-Brown® chipset.
- Fully balanced 4.4mm output with (4,100mW).
- Performance boosting Direct-Drive® and Headamp Turbo®.
- Zero Jitter/Femto clock system upgraded for lower phase-noise/jitter.
- Digital engine upgraded with iFi custom ultra-low noise Op-Amp Ov2028.
- Analogue section upgraded with iFi custom ultra-low noise Op-Amp Ov2627.
- Ultra-low impedance OS-CON polymer capacitors and Panasonic audio-grade ECPU film capactiors.
- Performance-tuned 3D+® and XBass+®.
- Turbo/Normal/Eco modes.

Specifications

Digital Inputs:	USB 3.0 type A "OTG" Socket/USB2.0 compatible/with iPurifier® technology built-in/S-PDIF (3.5mm coaxial/optical)	
Output:	Balanced 4.4mm/Single-Ended 6.3mm/RCA	
DAC section		
DAC:	Bit-Perfect DSD & DXD, PCM DAC by Dual-core Burr Brown	
Clock:	Ultra low jitter GMT Femtosecond Clock	
Formats:	DSD512/256/128/64, Octa/Quad/Double/Single-Speed DSD DXD (768/705.6/384/352.8kHz), Double/Single-Speed DXD PCM (768/705.6/384/352.8/192/176.4/96/88.2/48/44.1kHz) MQA	
Filters:		
DSD	Extreme/Extended/Standard Bandwidth	
PCM	Bit-Perfect/Minimum-Phase/Standard	
DXD	Bit-Perfect Processing	
Line Output		
Dynamic Range (Line):	>117db(A)	
THD & N (0dBFS Line):	<0.003%	
Output Voltage (Line):	>2V	
Output Impedance:	<240Ω	
Jitter (correlated):	Below AP2 test set limit	
Headamp Section		
Headphone Power Output		
Turbo mode	Power (max)	Power (continuous)
	10.0V/4,100 mW	>1,560 mW @ 64 Ohm >166 mW @ 600 Ohm
Normal mode	5.5V/1,900 mW	> 100 mW @ 300 Ohm > 950 mW @ 32 Ohm
Eco mode	2.0V/500 mW @ 8 Ohm	>250 mW @ 16 Ohm
Dynamic Range (HP):	>115dB(A) (Eco Mode, 2V Out)	
THD &N (HP 500mW/16R):	< 0.008%	
Output Voltage (HP):	>10V (Turbo Mode)	
Output Impedance:	<1Ω (iEMatch® not engaged)	
Maximum Output Power:	4,100 mW @ 16 Ohm Load	
Continuous Output Power:	1,000 mW @ 64 Ohm Load	
Battery:	Lithium-polymer 4800mAh	
Power System:	Charging via USB-A, BC V1.2 compliant up to1500mA charging current	
Dimensions:	172 x 65 x 27 mm (6.8" x 2.6" x 1.1")	
Net Weights:	295 g (0.65 lbs)	
Warranty period:	12months	

Specifications are subject to change without notice.

S/N:

Technology licensed from AMR-Audio, UK
Assembled in China

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ifi micro

Ver1.1