



DURATHON



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Durability Technology by ECS

Shattering Durability Standards

Motherboard Quality You Can Trust

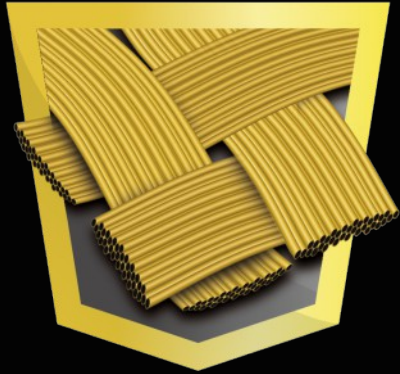


Motherboard **Quality** You Can **Trust**



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Triple Density PCB

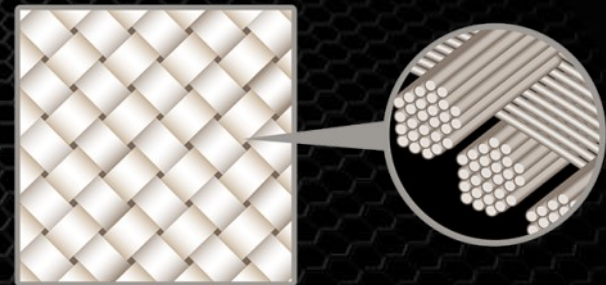


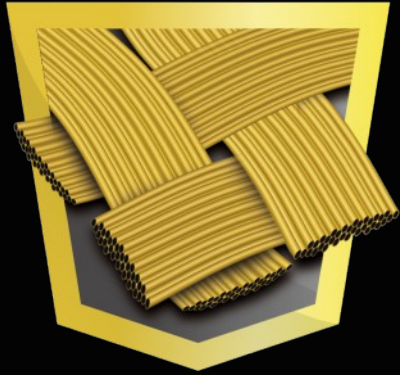
ECS Bi-Directional Splitting Glass Fabric

ECS has the highest level Bi-Directional Glass Fabric, which is 3 times more effective humidity protection than general glass fabric.

Shattering Durability Standard

- » Bi-Directional Wave Design
- » Complex Circuit Stability
- » 3X More Moisture Proofing





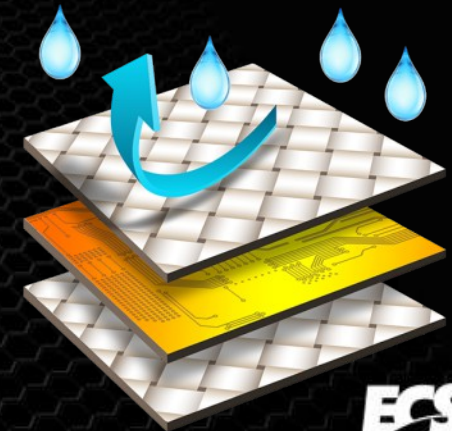
Triple Density PCB

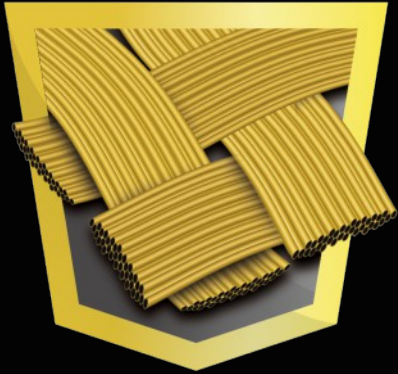


Damp Proof

ECS Bi-Directional Splitting Glass Fabric narrows the vacant space between the glass fabric of the PCB which:

- » Lowers air permeability for dampness proofing.
- » Reduces short circuit or burn out malfunction.
- » Best choice for rainy and humid environments.





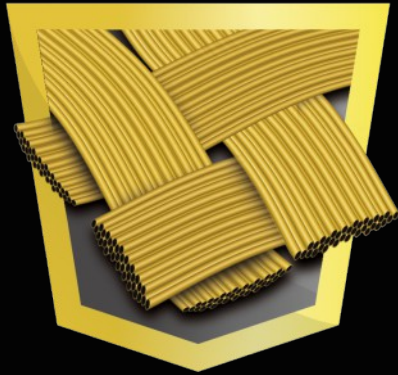
Triple Density PCB



High Temperature Tolerance

ECS Bi-Directional Splitting Glass Fabric greatly increases the surface area which:

- » Enhances the durability of motherboard
- » Improves the thermal stress of the PCB
- » Makes the motherboard more reliable against heat.

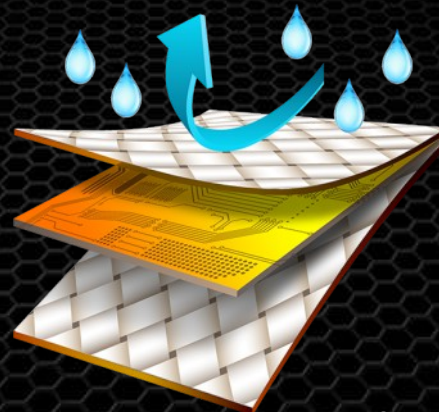


Triple Density PCB

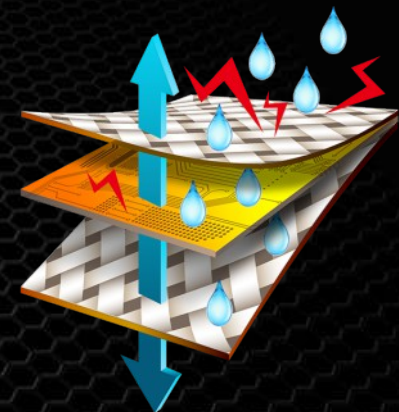


Ultra Stability

ECS Bi-Directional Splitting Glass Fabric is the highest level splitting glass fabric with high quality copper foil and resin.



ECS Bi-Directional Splitting Glass Fabric



Normal Splitting Glass Fabric

New H81 Series



H81H3-A3



H81H3-M7



H81H3-I



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H81H3-A3

Ideal for i-café & office

- 2 x PCIe x16 for SLI & CFX
- 4K support on HDMI with 2.6x graphical improvements
- 3 independent Graphic output HDMI/ DVI/ VGA
- Giga LAN & 6-CH HD Audio
- SATA 6Gb/s & USB 3.0

Overclocking ability

- Additional benefit of CPU overclocking performance



H81 3.5G → 4.5G OC

ECS ELITEGROUP

Clocks (Core #0)				
Core Speed	4500.00 MHz	L1 Data	4 x 32 KBytes	8-way
Multiplier	x 45.0 (6 - 45)	L1 Inst.	4 x 32 KBytes	8-way
Bus Speed	100.00 MHz	Level 2	4 x 256 KBytes	8-way
		Level 3	8 MBytes	16-way

Motherboard			
Manufacturer	ECS	Model	H81H3-A3
Chipset	Intel	Haswell	Rev. 06
Southbridge	Intel	H81	Rev. 04
LPCID	ITE	IT8728	



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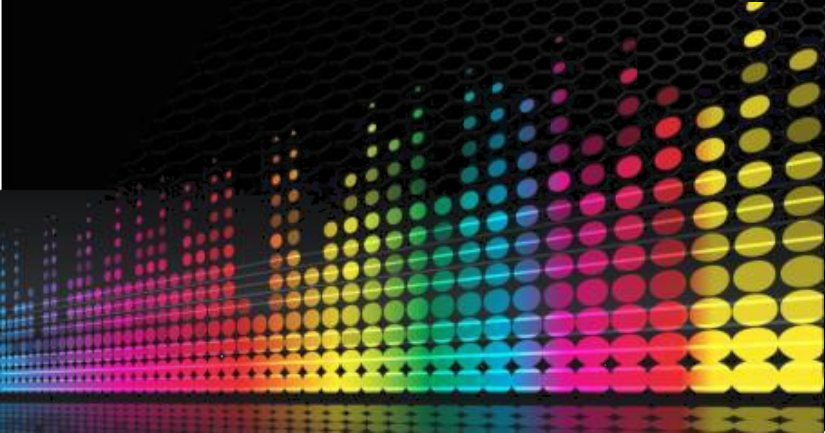
H81H3-M7

Ideal for Multi-Media & Video Editing

- 1 x PCIe x16 for external graphic output
- 4K support on HDMI with 2.6x graphical improvements
- 3 independent Graphic output HDMI/ DVI/ VGA
- Giga LAN & 6-CH HD Audio
- SATA 6Gb/s & USB 3.0

Overclocking ability

- Additional benefit of CPU overclocking performance



H81H3-I



Ideal for Home Cloud and Daily Use

- 1 x PCIe x16 for external graphic output
- Mini-PCIe interface for mini- Wireless, and mini-TV tuner
- 4K support on HDMI with 2.6x graphical improvements
- Giga LAN & 6-CH HD Audio
- SATA 6Gb/s & USB 3.0

Small Front Factor

- Space saving
- Affordable price



Specification



MB	H81H3-A3	H81H3-M7	H81H3-I
CPU	Intel® 4th Gen. Processors LGA115 socket	Intel® 4th Gen. Processors LGA115 socket	Intel® 4th Gen. Processors LGA115 socket
CHIPSET	Intel® H81 Express Chipset	Intel® H81 Express Chipset	Intel® H81 Express Chipset
MEMORY	2 Dual Channel DDR3 1600	2 Dual Channel DDR3 1600	2 Dual Channel DDR3 1600
EXPANSION SLOT	2 x PCIe x16 / 1 x PCIe x1 / 2 PCI	1 x PCIe x16 / 2 x PCIe x1	1 x PCIe x16 / 1 x Mini PCIe
STORAGE	2 x SATA 6Gb/s / 2 x SATA 3Gb/s	2 x SATA 6Gb/s / 2 x SATA 3Gb/s	2 x SATA 6Gb/s / 2 x SATA 3Gb/s
AUDIO	6-CH HD Audio	6-CH HD Audio	6-CH HD Audio
LAN	GIGA LAN	GIGA LAN	GIGA LAN
Graphic Output	HDMI / DVI / VGA	HDMI / DVI / VGA	HDMI or DVI / VGA
USB	2 x USB 3.0 / 8 x USB 2.0	2 x USB 3.0 / 8 x USB 2.0	2 x USB 3.0 / 8 x USB 2.0