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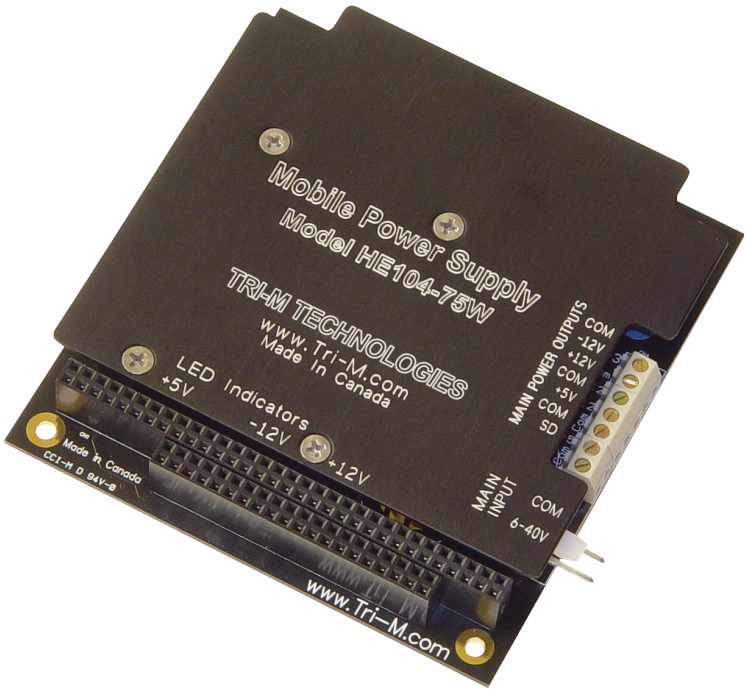
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Find the *Tri-M Engineering HE104-75W* at our website: *Click HERE*

High Efficiency PC/104 Power Supply

HE104-75W

- 75 Watt output
- 6V to 40V DC input range
- +5V, +12V, -12V DC output
- High Efficiency up to 90%
- Extended temperature



For applications requiring a DC power converter that supplies up to 75W of power, Tri-M offers the HE104-75W. It is ideal for use on 12VDC and 24VDC mobile applications where power from a DC source (input) needs to be converted (output) to match the applications power requirements – generally an embedded computer.

Efficiency of the HE is over 90% - the higher efficiency means less heat is generated – and it is designed to operate in extended temperature applications where temperatures can be between -40°C and +85°C.

Input voltage spikes that go beyond the input voltage window (9VDC to 40VDC) are managed through transient suppressors that restrict the input voltage, while maintaining normal output power operation.

The HE104-75W is designed to minimize any generated noise or interference, allowing it to be used for airborne or ground vehicles that encounter EMI or RFI.

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High Efficiency PC/104 Power Supply

HE104-75W

Specifications

Electrical Specifications

5V output	15A
12V output	3A
-12V output	0.5A
Input voltage range	6V to 40V DC

Performance Characteristics

Load Regulation (5V output)	< 60mV
Line Regulation (5V output)	40mV
Output temp. drift (5V output)	< 40mV
Switching Frequency	312kHz
Output Ripple (5V output)	< 20mV
Conducted Susceptibility (5V output)	> 57db
Efficiency	Up to 90%
Temperature range	-40° to 85°C

Environmental & Mechanical

Temperature Range*	-40° to 85°C
Form Factor	PC/104
Dimensions (excluding PC/104 pins)	3.55”W x 3.75”L x 0.6”H
Weight	6.08oz / 172.37g

*As measured on heatsink

Ordering Information

Part Number

HE104-75W	+5V, +12V, -12V DC outputs, 75 Watt power supply

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