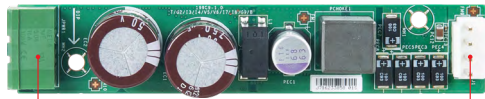


# MS-99C9

Compact-Size DC to DC Converter Module 140W with Wide Temperature, OCP/OVP & RVP Protection



1x2 pin DC-in

1x4 pin DC-out

## Features

- Over Current/Voltage Protection (OCP/OVP) & Reverse Voltage Protection (RVP)
- 140W Total Power, DC Output: +12V/11.6A
- Efficiency up to 95%
- Wide operating temperature : -40~85°C
- Wide Voltage DC-IN 9~36V

## Ordering Information

Part Number	Description
919-99C9-102	DC IN 9~36V port, DC out 12V, WT

## Packing List

Part Number	Description	Quantity
NA1-1020073-SR2	DC-in Phoenix Connector 1x2 Pin	1

## Application



Automation



Transportation



Medical



Energy

## Specifications

Power Supply	DC Input	DC-in 9~36V, DC-out 12V
	AC Input	N/A
Environment	Operating Temperature	-40 ~ 85°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-40 ~ 85°C
	Storage Humidity	10 ~ 90%, non-condensing
Form Factor	Dimensions (W x D x H)	122 x 23mm (DC to DC Converter Module)
	Weight	0.046 kg
Certification	EMC	CE, FCC Class A, BSMI, VCCI, RCM
Software Platform	OS Support	Windows XP (32/64-bit) Windows 7 (32/64-bit) Windows 8.1 (32/64-bit) Windows 10 (64-bit) Linux (Support by request)

## Compatible Embedded Boards & Systems

Form Factor	Model	CPU
Pico-ITX	MS-98I6	Intel® Apollo Lake / Apollo Lake-I
	MS-98H6	Intel® Braswell
3.5"	MS-98L3	Intel® Whiskey Lake-U
	MS-98H3	Intel® Kaby Lake-U / Skylake-U
	MS-98E6	Intel® Apollo Lake / Apollo Lake-I
	MS-98G6	Intel® Bay Trail-D/M
	MS-98F6	Intel® Bay Trail-D/M
	MS-98F3	Intel® Haswell-U / Broadwell-U
EPIC	MS-98H5	Intel® Apollo Lake / Apollo Lake-I
	MS-98K1	Intel® Kaby Lake-S / Skylake-S
	MS-98J4	Intel® Kaby Lake-U / Skylake-U
	MS-98B1	Intel® Apollo Lake / Apollo Lake-I
Mini-ITX	MS-98J0	Intel® Apollo Lake / Apollo Lake-I
	MS-9892	Intel® Apollo Lake / Apollo Lake-I
	MS-98F1	Intel® Braswell
	MS-98I0	Intel® Braswell
	MS-98F5	Intel® Bay Trail-D
	MS-98E3	Intel® Bay Trail-D/M
Compact-Size Box PC	MS-9A89	Intel® Kaby Lake-U / Apollo Lake / Apollo Lake-I
In-Vehicle/Transportation Box PC	MS-9B17	Intel® Apollo Lake
	MS-9A77	Intel® Kaby Lake-U / Skylake-U
Din Rail Slim Box PC	MS-9A97	Intel® Apollo Lake

