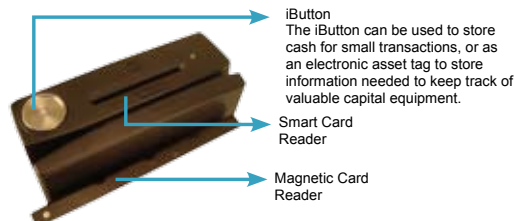
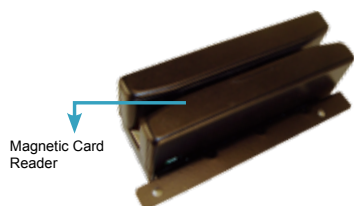


# Optional POS Peripherals

## • MSR and Smart Card Reader



P/N	AFLP-12BMSR-U / AFLP-17AMSR-U	AFLP-12BMSI-U / AFLP-17AMSI-U
<b>General</b>	90 mm Magnetic Stripe Reader Programming: By Software Download Program Card Standard: ANSI , ISO , ABA Track Read: ISO 1,2,3 (IATA,ABA,THRIFT/MINTS) , JISII100-1000mm/sec	(1) Magnetic Card: ISO 7811, AAMVA, DMV, JIS II (2) Smart Card: ISO 7816, EMV (3) Dallas iButton
<b>Electrical</b>	Voltage:DC+5V, +/-5%Reading Indicator:Beeper	Voltage: DC+5V,+/-5%Reading Indicator:Beeper
<b>Environment</b>	Operating Temperature: 0°C to 40°C Relative Humidity: 20% to 85 % (Non-condensing)	Operating Temperature: -10°C to 55°C Relative Humidity: 10% to 90 % (Non-condensing)
<b>Physical</b>	Cable: Straight 2.5ft / Weight: Approx.61g	Cable: Straight 2.5ft / Weight: Approx.60g
<b>Interface</b>	USB	USB

# Optional DC/DC Converter Module

## IDD-930160-KIT 60 W DC/DC Converter Module

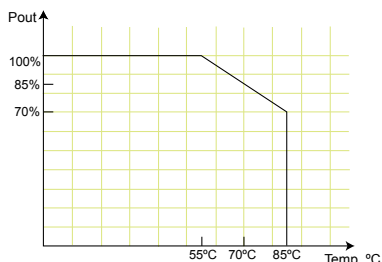


### Typical Applications

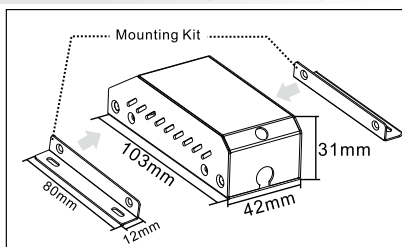


### Specifications

- Input voltage: 9-30 VDC
- Input current:Max. 8.2 A at 9 VDC
- Output: 12 V@5 A
- Max. total output: 60W
- Performance characteristics:  
Noise and ripple:<120 mV  
Line regulation: <2.5%  
Load regulation: <2.5%
- Transient toggle rate: 250 Hz (50% duty ratio)
- Transient current step:  
From 0% to 50% and 50% to 100% of max current
- Efficiency: typ. 95% (Vin=12 V, 80% of full load)
- Dimensions: 42 mm x 103 mm x 31 mm
- Mounting kit: 12 mm x 80 mm
- Cable length: 180 cm
- Operating temperature: -10°C~55°C
- Load down protection



### Dimensions (Millimeters)



### Packing Information

1 x IDD-930160-KIT-R10
1 x Mounting kit
1 x Screw kit
1 x Anti-slip strip
1 x Utility CD

### Ordering Information

Part No.	Description
IDD-930160-KIT-R10	60 W DC/DC 9-30 VDC input vehicle power adapter