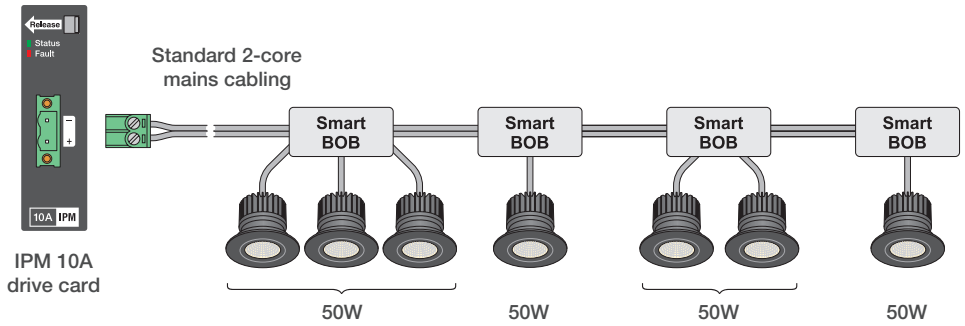
Drive Hub
Drive Card: IPM 10A

SPECIFICATION SHEET

This drive card is designed to serve installations where multiple LED fixtures have been retrofitted and legacy cabling must be re-purposed to deliver low voltage supplies.

The IPM drive card encodes the control signal for a single channel onto a single 2-core legacy cable, together with a 10A DC supply current, to provide a 500W combined feed. Multiple Smart BOBs can then be attached along the common 2-core cable, each of which can drive an LED fixture (or group of fixtures) up to 50W. Any number of Smart BOBs can be used on a cable. providing the overall power draw does not exceed 500W.



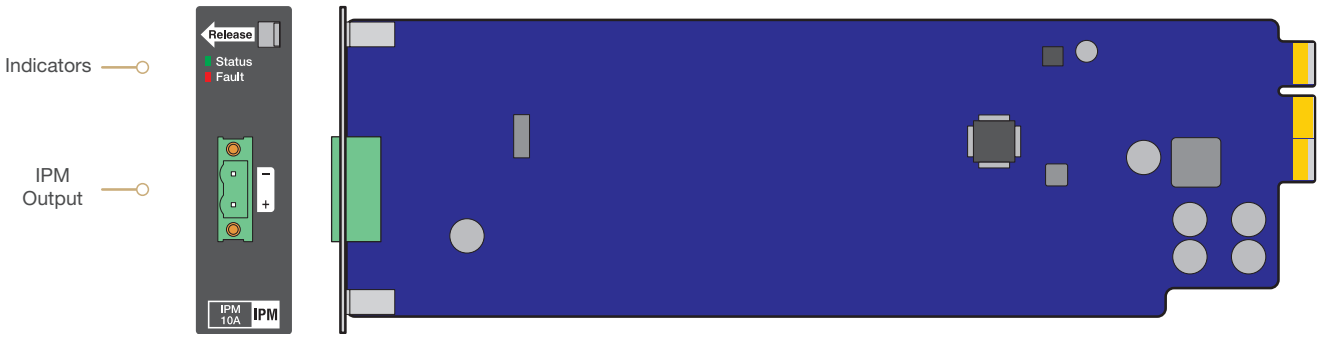
Each Smart BOB module allows 1, 2 or 3 fixtures to be connected to its output, providing the total power draw does not exceed 50W. The total power draw from all connected Smart BOB modules must not exceed 500W. See Smart BOB manual for connection details.

Up to twelve drive cards, of the same or different types, can be fitted within a single Drive Hub Card Frame chassis or up to six drive cards within a Mini Pack chassis.

Key features

- Designed to supply a number of low-voltage constant current LED fixtures with control and power via 2-wire legacy cabling.
- Eco Mode: Shuts down power to connected smart BOBs when control is at 0% for longer than 10 seconds. This reduces system standby power by up to 1W per connected Smart BOB. The system will resume from Eco Mode immediately when the control input is raised above 0%
- Short-Circuit and Over-Current Protection: The drive card is protected from cable faults and overload by automatically disabling the output should a fault or overload condition occur. It will auto recover once the fault has been removed.
- Hot-pluggable within the Card Frame chassis.

Layout Overview



Indicators

Status	1s Flash:	Normal operation	**Fault**	Off:	No fault detected
	3s slow pulse:	Card in standby (Eco Mode)		Flashing:	Load current ~95% capacity
	On (static):	Card failed		On (static):	Channel disabled (over-current)
	Off (static):	Card off or card failed			

Indicators

Input voltage:	24-72VDC (48V Nominal)
Input current:	10A maximum
Protection fuse:	20A (not user replaceable)
Channel output current:	1A to 10A (in 1A steps)
Output connector(s):	Würth Elektronik WR-TBL Series 3404 - 2-pin (7.62mm pitch, vertical with flanges)
Short circuit protection:	Yes
Open circuit disable:	Yes
Total capacity,	
per Card Frame chassis:	100A
per Mini Pack chassis:	75A

Summary

Card type:	IPM
Part number:	DHDCIPM
Channels:	1 (encoded with power within single 2-way cable)
Load:	10A maximum - (500W)

Drive card options

Card type	Order code
2ch 2,200mA CC	DHDC2CHCC2.2
4ch 1,500mA CC	DHDC4CHCC1.5
4ch 3,500mA CC	DHDC4CHCC3.5
8ch 700mA CC	DHDC8CHCC0.7
1ch 10A CV	DHDC1CHCV10
4ch 3A CV	DHDC4CHCV3
IPM 10A	DHDCIPM
IPM2 10A	DHDCIPM2

Specifications are subject to change without notice.

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