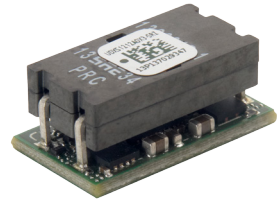


DualDlynx™

A New Standard in Digital Power

The DualDlynx™ non-isolated Point of Load (POL) DC-DC board-mounted power modules offer a new standard of power for space constrained boards. They offer up to 25 percent reduction in board space usage compared to previous and competing solutions.



The new Independent Power Train (IPT) feature provides two independent 12A or 6A outputs in a single module, enabling flexibility and reduced design time. Analog and digital options are available.

The DualDlynx has a PMBus™ digital interface for digital configuration, communication and control. Enhanced digital features reduce board space requirement and the need for external components.

Some of the features of the DualDlynx are:

- Independent Power Train Feature enables flexibility and reduces design time
- PMBus™ digital interface supports wide range of commands (on/off, trim, digital sequencing, margin, power good, rise time adjustment and input under-voltage lockout)
- The digital interface also offers output voltage, current and temperature measurement capabilities
- Ultra-tight voltage regulation (+/- 1 percent)
- Digital trim for power reduction and digital sequencing
- Over-temperature protection, output over-current protection (non-latching) and over-voltage protection
- New synchronization features and remote sensing make designing for strict noise and set point requirements easier and more accurate
- Small Micro footprint module (20.32 mm x 11.43 mm x 8.5 mm)
- Wide input voltage range: 4.5Vdc-14.0Vdc on both inputs
- Precisely regulated output voltage range of 0.51 to 5.5 VDC
- Wide range of design tools and technical support to decrease design time and improve time to market
- Digital loop compensation decreases board space, external components and cost
- Reliability measured in decades provides peace of mind

PRODUCT FAMILY	MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	ISOLATION/ COMMUNICATION	EFFICIENCY
PicoDLynx*	PNVX002	3.0 - 14.0V	0.60 - 5.5V	2A	Analog	94%
	PDT003	3.0 - 14.4V	0.45 - 5.5V	3A	Digital	94%
	PVX003	3.0 - 14.4V	0.60 - 5.5V	3A	Analog	92%
	PDT006	3.0 - 14.4V	0.45 - 5.5V	6A	Digital	94%
	PVX006	3.0 - 14.4V	0.60 - 5.5V	6A	Analog	94%
	PDT012	3.0 - 14.4V	0.45 - 5.5V	12A	Digital	96%
	PVX012	3.0 - 14.4V	0.60 - 5.5V	12A	Analog	95%
MicroDLynx*	UDT020	3.0 - 14.4V	0.45 - 5.5V	20A	Digital	96%
	UVT020	3.0 - 14.4V	0.60 - 5.5V	20A	Analog	96%
MegaDLynx*	MDT040	4.5 - 14.4V	0.45 - 2.0V	40A	Digital	91.5%
	MVT040	4.5 - 14.4V	0.60 - 2.0V	40A	Analog	91.5%
GigaDLynx*	GDT080	4.5 - 14.0V	0.60 - 2.0V	80A	Digital	93%
PicoTLynx*	APXS002	3.0 - 14V	0.60 - 5.50V	2A	Analog	96%
	APXK004	8.0 - 16V	0.60 - 8.00V	4A	Analog	96%
MegaTLynx*	APTS030	6.0 - 14V	0.80 - 3.63V	30A	Analog	96%
SlimLynx* (Non-Encapsulated)	PNDT012 (Pico)	3.0 - 14.4V	0.45 - 5.5V	12A	Digital	96%
	PNVT012 (Pico)	3.0 - 14.4V	0.6 - 5.5V	12A	Analog	96%
	PNDT006 (Pico)	3.0 - 14.4V	0.45 - 5.5V	6A	Digital	95%
	PNVT006 (Pico)	3.0 - 14.4V	0.6 - 5.5V	6A	Analog	95%
	UNDT012 (Micro)	3.0 - 14.4V	0.45 - 5.5V	12A	Digital	96%
	UNVT012 (Micro)	3.0 - 14.4V	0.6 - 5.5V	12A	Analog	96%
	UNDT006 (Micro)	3.0 - 14.4V	0.45 - 5.5V	6A	Digital	96%
	UNVT006 (Micro)	3.0 - 14.4V	0.6 - 5.5V	6A	Analog	96%
SlimLynx* (Encapsulated)	ULDT012 (Micro)	3.0 - 14.4V	0.45 - 5.5V	12A	Digital	96%
	ULVT012 (Micro)	3.0 - 14.4V	0.6 - 5.5V	12A	Analog	96%
	ULDT006 (Micro)	3.0 - 14.4V	0.45 - 5.5V	6A	Digital	96%
	ULVT006 (Micro)	3.0 - 14.4V	0.6 - 5.5V	6A	Analog	96%
Dual DLynx*	UDXS1212	4.5 - 14.4V	0.51 - 5.5V	2x12A	Digital	95%
	UVXS1212	4.5 - 14.4V	0.60 - 2.0V	2x12A	Analog	95%
	UDXS0606	4.5 - 14.4V	0.51 - 5.5V	2x6A	Digital	95%
	UVXS0606	4.5 - 14.4V	0.60 - 2.0V	2x6A	Analog	95%

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