

OPT-LIN22-A1

Specification



- ⌘ ***Newest LIN BUS optic transceiver!***
- ⌘ ***Built-in and switchable ESD protector!***
- ⌘ ***Radiation susceptibility up to CW 300V/m!***
- ⌘ ***Radiation susceptibility up to Radar Wave 600V/m!***
- ⌘ ***Support external power supply!***
- ⌘ ***Intuitive battery power indicator!***
- ⌘ ***K-line compatible***

Max speed:	20kbps (fully LIN 1.0, LIN 1.1, LIN 1.2, LIN 1.3, LIN 2.0, LIN 2.1, LIN 2.2, LIN 2.2A and SAE J2602 compliant)
Fiber:	Single Core, ST, multi mode 62.5/125μm
BUS connector:	D-Sub 9 Socket (Pin3 to GND / Pin7 to LIN)
Mode Selection	Selectable via side actuated DIP switch Master/Slave
ESD Protector:	Selectable via side actuated DIP switch 30kV/no protection
Built-in battery:	Li-Polymer battery
Continuous work time:	More than 24 hours (From fully charging)
Battery capacity indicator:	4 levels indicator
External power supply:	✂ DC 12V to 42V ✂ Via BUS connector (Pin8 to GND / Pin9 to DC+)
Battery Charger:	General DC 12V power supply can be used for charging via special connector
Temperature:	-40 to 194 degree Fahrenheit (-40 to 90°C)
Warranty:	Isolator: 36 months Accessories: 12 months (Accessories mean optic fiber, D Sub-9 convertors, instrument container)
Dimension:	128mm(L)* 80 mm(W)* 44 mm(H)
Origin:	P.R. China

Comparison Table

Item	OPT-LIN22-A1	OPT-LIN00-A1	Other brands
Released on	2017	2013	2009 or earlier
Max speed	20kbps	20kbps	20kbps
EMI	CISPR 25:2016 Class 5	CISPR 25:2008 Class 5	Unspecified
EMI with High Buffer Load	CISPR 25:2016 Class 5**	CISPR 25:2008 Class 3	Unspecified
EMS	CW 300V/m Radar Wave 600V/m	CW 300V/m Radar Wave 600V/m	Unspecified
Mode Selection	Side actuated DIP 2 choices	Toggle, 2 choices	Jumper or Toggle
Built-in ESD protector	Side actuated DIP 2 choices	Not supported	Not supported
Optic Fiber	Single Core	Two Cores	Two Cores
Built-in battery	Li-polymer	Li-ion	Not supported or Ni-MH
Continuous work time	More than 24 hours	More than 12 hours	Unspecified
Compatibility	LIN 1.0,LIN 1.1,LIN 1.2, LIN 1.3,LIN 2.0, LIN 2.1, LIN 2.2,LIN 2.2A SAE J2602	LIN 1.0,LIN 1.1,LIN 1.2, LIN 1.3,LIN 2.0	Unspecified
K-line Compatible	Yes	No	Unspecified
Power indicator	4 levels	1 level	1 level / not supported
External power	DC 12V to 42V	Not supported	Not supported
Warranty	36 months	36 months	12 months
Origin	P.R. China	P.R. China	EU or NA

** : Achieve this level with CHANGEN OPT-LIN22-C5 enhanced component.

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