

# OPT-CANHS-A1

## Specification



- ⌘ **Newest HS CAN BUS optic transceiver!**
- ⌘ **Adjustable capacitors for CAN\_H/CAN\_L to GND!**
- ⌘ **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!**

Max speed:	1Mbps (fully ISO 11898-2:2016 compliant)
Fiber:	Single Core, ST, multi mode 62.5/125μm
BUS connector:	D-Sub 9 Socket (Pin2 to CAN_L / Pin7 to CAN_H)
BUS Termination Resistors:	Selectable via side actuated DIP switch 60Ω/120Ω/∞
Capacitors for CAN_H/CAN_L to GND:	Selectable via side actuated DIP switch 22pF/47pF/220pF/470pF/∞
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 converters, instrument container)
Dimension:	128mm(L)* 80 mm(W)* 44 mm(H)
Origin:	P.R. China

## Comparison Table

Item	OPT-CANHS-A1	OPT-CANOH-A1	Other brands
Released on	<b>2017</b>	2013	2009 or earlier
Max speed	<b>1Mbps</b>	1Mbps	500kbps or 1Mbps
EMI	<b>CISPR 25:2016 Class 5</b>	CISPR 25:2008 Class 5	Unspecified
EMI with High Buffer Load	<b>CISPR 25:2016 Class 5**</b>	CISPR 25:2008 Class 3	Unspecified
EMS	<b>CW 300V/m Radar Wave 600V/m</b>	CW 300V/m Radar Wave 600V/m	Unspecified
Adjustable termination resistor	<b>Side actuated DIP 3 choices</b>	Toggle, 3 choices	Jumper or Toggle
Adjustable capacitors for CAN_H/CAN_L to GND	<b>Side actuated DIP 5 choices</b>	Not supported	Not supported
Built-in ESD protector	<b>Side actuated DIP 2 choices</b>	Not supported	Not supported
Optic Fiber	<b>Single Core</b>	Two Cores	Two Cores
Built-in battery	<b>Li-polymer</b>	Li-ion	Not supported or Ni-MH
Continuous work time	<b>More than 24 hours</b>	More than 12 hours	Unspecified
Compatibility	<b>ISO 11898-2:2016</b>	ISO 11898-2:2003	Unspecified
Power indicator	<b>4 levels</b>	1 level	1 level / not supported
External power	<b>DC 12V to 42V</b>	Not supported	Not supported
Warranty	<b>36 months</b>	36 months	12 months
Origin	<b>P.R. China</b>	P.R. China	EU or NA

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

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