

IBN-I2H / IBN-K1H

Network Interface Module

Intel® Ethernet Controller E830 (Connersville)



Features

- Intel® Connersville E830-CCAM1
- PCI Express 5.0 x8 NIC module
- 1x 200GbE or 2x 100GbE
- Support RDMA, SPDM, Secure manageability

Specifications

Model Name	BN-I2H 2x 100GbE QSFP28	IBN-K1H 1x 200GbE QSFP56
Support models	INA3606 / INA3608 / INA7605	
Interface (Signal)	8x PCI-E Gen5	
Golden Finger	8x PCI-E Gen5 golden finger (Standard PCIE Pin-define / View Page 6-7)	
Speed	2x 100GbE	1x 200Gbe
Port	2x QSFP28	1x QSFP56
LAN chip	Intel: CHIP SMD E830-CCAM1 (FCBGA698) 1x 200G CTRL (P/N: C013830CCAM124100P) PCI-E V5.0 TDP: 14W	
LAN heatsink	(p/n:TBD)	
Cage P/N	QSFP28 DIP 1x1 CAGE W/LIGHTPIPE FEM [NEXTRON Z-848T011P12201] (P/N: C12ZZSFPZ848T0100P)	
Connector	QSFP56 SMD 1x1 PIN 90D FEM [FOXCONN 3S5A113-00500-7F] (P/N: C12ZZSFP3S5A11200P)	
PCB Color	Blue	
Mechanical		
Dimension	73 mm(W) x 175 mm(D) x 1.6 mm(T) ± 0.3mm	
Weight	0.5 Kg (estimated)	
Environmental		
Humidity	10 ~ 90% @ 45°C, (non-condensing)	
Temperature	Operating Temperature: 0°C ~60°C Storage Temperature: -20°C ~ 70°C	
Shock	Half-sinewave 10G Z-axis	
Vibration	Operating: 0.25 Grms (3~500Hz) Z-axis Non-operating: 1.0 Grms (3~500Hz) Z-axis	
Regulation	RoHS 2.0 (2011/65/EU) / REACH (EC 1907/2006) / Conflict Minerals	
Certification	CE/FCC: Class-A (EN 55022 / EN55024) LVD: IEC 60950-1:2005 (2nd Edition) + Am 1:2009 + Am 2:2013 EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	
Operating System		
OS	Linux Ubuntu 22.04	