



Product Quick Reference Guide

Datacenter Enterprise Telecom AI

2022

An abstract graphic featuring a dark blue background with numerous glowing, curved lines in shades of blue and orange, suggesting light trails or data flow.

All-optical interconnection
creates a bright future

WHAT IS NADDOD

All Optical Interconnection Creates A Brighter Future

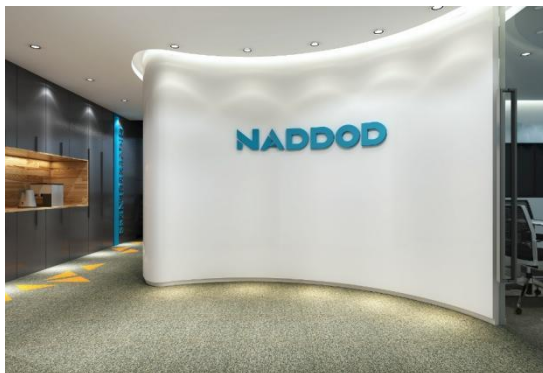
NADDOD focused on optical network market, headquartered in Wuhan China Optical Valley. As a market-Oriented brand of HGTECH (SZSE:000988, the world top 10 transceiver suppliers), NADDOD has the first-class R&D, manufacturing and technical service capabilities in optical network industry, delivers leading optical connection solutions and advanced services for enterprise network, data center, 5G, edge computing and IoT/AI. We dedicate to build an information intelligence era with higher speed, lower power and higher reliability.

NADDOD insists on continuous technological innovation to create brand value for customers, successfully completed China's first batch of 400G data center optical module commercial order and China's first batch of 5G optical module commercial order delivery. The products are widely used in key scenarios, high speed, emerging fields and high-end applications in various industries such as government, central enterprises, military industry, finance, energy, education, medical care, Internet, operators and so on. With years of continuous technology development and innovation, NADDOD has become a leading supplier of optical network solutions and won the titles of "Huawei's Gold Supplier" and "ZTE's Global Best Partner".

Top10 Global
Transceiver Supplier

3500 Staff
Including Senior Experts

62000 m²
Intelligent Factory





2022

Launched Brand New Official Website: www.naddod.com.

2021

Acquired Tens of Millions Pre-A Round of Financing.

Organized an AI & Edge Computing Seminar with Experts & Scholars from NVIDIA & SUSTECH.

Invite Professor Terry Ye from SUSTECH as Our Chief Technical Advisor.

Join in HIEC, Enabling the Ecological Construction of Optical Industry.

Launched 800G DR8/400G Silicon Data Center Optical Transceiver .

Released 10G/25G Switches, Network Adaptor, Transceivers Integrated Solution.

Launched Data Center 100G DSFP AOC.

2020

Released 800G QSFP-DD DR8, 400G QSFP-DD DR4/DR4+ Transceivers.

Released 5G Backhaul 200G QSFP-DD LR4 Transceiver.

Signed Distributing Contract with Digital China.

Signed Cooperation Contract with Mellanox Technologies.

Signed Long-term Strategic Agreement with VIPSHOP.COM.

Helps State Grid Build a Green Power Grid Project.

2019

Delivered a New-generation Optical Network Solution for a Central-level Media and Promote the Digital Development of the Media Industry.

China's First Batch 5G Transceivers Delivered by HGTECH.

Acquired UL, FDA, TUV Certificate.

The First Partner Summit was Held and the "Eight Application Scenarios and Technology Market Development Roadmap" was Released.

NADDOD Optical Network Products have been Successfully Applied in the Optical Network of Smart City Data Center, which Contributes to Urban Digitization Construction.

2018

Signed a General Agent Cooperation Agreement with INGRAM Micro, The World's Leading Technology and Supply Chain Service Provider.

Integrated with Ingram Micro & Inspur Carry Out Nationwide Exhibition Tours.

Beijing Operation Center Officially Opened.

Launched SAP Automated Marketing Management System.

2017

NADDOD was Founded, Starting to Deploy All Optical Interconnection Industrial Development Strategy.



NADDOD BRIEFING

LEADER IN FIBER OPTIC CONNECTIVITY SOLUTIONS

- Developed Based on China's Leading Optical R&D Manufacturer.
- Backed by China Optical Valley Industrial Cluster.
- With A-Class R&D, Production and Service Strength.

MARKET ORIENTATED

- Independent Brand Operation.
- Cooperate with CHINA & World's Biggest IT Distributor, Digital China & Ingram Micro.

NEW BUSINESS

- New Forms of Optical Network Solutions.
- Based on the New Form of the Internet Business System.
- Eco-system Partner of Global AI Leader NVIDIA.

NEW TREND

- Optical Connection will Finally Replacing Copper.
- Breaks with Tradition and Makes Steady Progress Towards Super Data Centers and IoT.

First-CLASS TECHNICAL STRENGTH

- Pioneering Developed the First 400G Transceivers in CHINA.
- Pioneering Developed the First 5G Mobile Transceivers in CHINA.
- Providing Integrated Solution From Data Center Transceivers to Smart NIC.

An abstract blue background featuring a large sphere on the right side, composed of a dense grid of small dots. A trail of smaller dots extends from the sphere towards the left, creating a sense of motion or data flow. The text "Optical Transceivers" is centered in white.

Optical Transceivers

400G/800G Transceivers

Applications

For 400G/800G Ethernet, high-performance data center, cloud network.

Features

■ 400G QSFP-DD LR4

- Hot pluggable QSFP-DD form factor
- Duplex LC connector
- EML laser transmitter and PIN receiver
- Transmission data rate up to 425Gbps
- Center wavelength 1310nm
- PAM4 modulation
- Compliant with IEEE 802.3bs, and CMIS Rev 4.0
- Maximum power consumption 12W
- Up to 10km reach for G.652 SMF
- Built-in digital diagnostic functions (DDM)
- RoHS compliant (lead-free)
- Class 1 Laser
- Compliant with EMI, ESD, Telcordia (Bellcore) GR-468-CORE and IEC60825-1



■ 800G OSFP 2XFR4

- Hot pluggable OSFP form factor
- Duplex 2xCS connector
- EML laser transmitter and PIN receiver
- Transmission data rate up to 850Gbps
- Center wavelength 1310nm
- PAM4 modulation
- Compliant with IEEE 802.3ck, and CMIS Rev 4.0
- Maximum power consumption 16W
- Up to 2km reach for G.652 SMF
- Built-in digital diagnostic functions (DDM)
- RoHS compliant (lead-free)
- Class 1 Laser
- Compliant with EMI, ESD, Telcordia (Bellcore) GR-468-CORE and IEC60825-1



400G/800G Products Specifications

P/N	Data Rate	Form Factor	Center Wavelength	Connector	TX/RX	Power	Reach
QDD-400G-SR8	400G	QSFP-DD	850nm	MPO	VCSEL/PIN	≤10W	100m
QDD-400G-FR4	400G	QSFP-DD	1310nm	LC Duplex	EML/PIN	≤12W	2km
QDD-400G-DR4	400G	QSFP-DD	1310nm	MPO	EML/PIN	≤10.5W	500m
QDD-400G-LR4	400G	QSFP-DD	1310nm	LC Duplex	EML/PIN	≤12W	10km
QDD-800G-DR8+	800G	QSFP-DD	1310nm	MPO	EML/PIN	≤16W	2km
OSFP-800G-DR8+	800G	OSFP	1310nm	MPO	EML/PIN	≤16W	2km
OSFP-800G-DR8	800G	OSFP	1310nm	MPO	EML/PIN	≤16W	500m
OSFP-800G-2xFR4	800G	OSFP	1310nm	2xCS Duplex	EML/PIN	≤16W	2km

100G/200G Transceivers

Applications

For 100G/200G Ethernet, MAN (metropolitan area network), data center.

Features

■ 100G QSFP28 LR4

- Hot pluggable QSFP28 form factor
- Duplex LC connector
- DML laser transmitter and PIN receiver
- Transmission data rate up to 103.12Gbps
- Center wavelength 1310nm
- Compliant with IEEE 802.3bm, SFF-8636 and QSFP28 MSA Ethernet standards
- Maximum power consumption 3.5W
- Up to 10km reach for G.652 SMF
- Built-in digital diagnostic functions (DDM)
- RoHS compliant (lead-free)
- Class 1 Laser
- Compliant with EMI, ESD, Telcordia (Bellcore) GR-468-CORE and IEC60825-1



■ 200G QSFP56 SR4

- Hot pluggable QSFP56 form factor
- MTP/MPO connector
- 850nm VCSEL laser transmitter and PIN receiver
- Transmission data rate up to 212.5Gbps
- Center wavelength 850nm
- PAM4 modulation
- Compliant with IEEE 802.3bs, SFF-8636 and QSFP56 MSA Ethernet standards
- Maximum power consumption 6W
- Up to 100m reach for MMF
- Built-in digital diagnostic functions (DDM)
- RoHS compliant (lead-free)
- Class 1 Laser
- Compliant with EMI, ESD, Telcordia (Bellcore) GR-468-CORE and IEC60825-1



100G/200G Products Specifications

P/N	Data Rate	Form Factor	Center Wavelength	Connector	TX/RX	Power	Reach
QSFP-100G-SR4	100G	QSFP28	850nm	MPO	VCSEL/PIN	≤3.5W	70m(OM3)/ 100m(OM4)
QSFP-100G-PSM4	100G	QSFP28	1310nm	MPO	DFB/PIN	≤3.5W	2km
QSFP-100GJ-LR4	100G	QSFP28	1310nm	LC Duplex	DML/PIN	≤3.5W	2km
QSFP-100G-LR4	100G	QSFP28	1310nm	LC Duplex	DML/PIN	≤3.5W	10km
QSFP-100G-ER4	100G	QSFP28	1310nm	LC Duplex	EML/APD	≤4.5W	40km
QSFP-100G-ZR4	100G	QSFP28	1310nm	LC Duplex	EML/PIN(with SOA)	≤6.5W	80km
QSFP-100G-LR	100G	QSFP28	1310nm	LC Duplex	EML/PIN	≤4.5W	10km
CFP-100G-LR4	100G	CFP	1310nm	LC Duplex	DFB/PIN	≤10W	10km
CFP-100G-ER4	100G	CFP	1310nm	LC Duplex	EML/PIN(with SOA)	≤16W	40km
CFP2-100G-LR4	100G	CFP2	1310nm	LC Duplex	EML/PIN	≤6W	10km
CFP2-100G-ER4	100G	CFP2	1310nm	LC Duplex	EML/PIN(with SOA)	≤9W	40km
CFP2-100G-ZR4	100G	CFP2	1310nm	LC Duplex	EML/PIN(with SOA)	≤9W	80km
CFP4-100G-LR4	100G	CFP4	1310nm	LC Duplex	EML/PIN	≤6W	10km
Q56-200G-SR4	200G	QSFP56	850nm	MPO	VCSEL/PIN	≤6W	100m
Q56-200G-FR4	200G	QSFP56	1310nm	LC Duplex	EML/PIN	≤5W	2km
QDD-200G-LR4	200G	QSFP-DD	1310nm	LC Duplex	EML/PIN	≤10.8W	10km

25G/40G/50G Transceivers

25G SFP28 Transceivers

For 25G Ethernet, enterprise, transmission network, 5G fronthaul, data center, CPRI device.

Features

■ 25G SFP28 SR

- Hot pluggable SFP28 form factor
- 850nm VCSEL laser transmitter and PIN receiver
- Transmission data rate up to 25.78Gbps
- Center wavelength 850nm
- Compliant with SFF-8472, SFF-8431, SFF-8432 and SFP28 MSA Ethernet standards
- Maximum power consumption 1W
- Up to 70m (OM3) and 100m (OM4)
- Built-in digital diagnostic functions (DDM)
- RoHS compliant (lead-free)
- Compliant with Telcordia (Bellcore) GR-468-CORE



40G QSFP+ Transceivers

For 40G Ethernet, Metro Optical Transmission Network, data center, etc.

Features

■ 40G QSFP+ LR4

- Hot pluggable QSFP+ form factor
- Duplex LC connector
- CWDM DML laser transmitter and PIN receiver
- Transmission data rate up to 41.25Gbps
- Center wavelength 1310nm
- Compliant with IEEE 802.3ba, SFF-8436, SFF-8636 and QSFP+ MSA Ethernet standards
- Maximum power consumption 3.5W
- Up to 10km reach for G.652 SMF
- Built-in digital diagnostic functions (DDM)
- RoHS compliant (lead-free)
- Compliant with Telcordia (Bellcore) GR-468-CORE



50G QSFP28 Transceivers

For 50G Ethernet, 5G Middlehaul and backhaul, data center, CPRI device, etc.

■ 50G QSFP28 LR

Features

- Hot pluggable QSFP28 form factor
- DFB laser Transmitter and PIN Receiver
- Transmission data rate up to 53.2Gbps
- Center wavelength 1310nm
- Compliant with IEEE 802.3cd, SFF-8636, SFF-8679 and QSFP28 MSA Ethernet standards
- PAM4 modulation
- Maximum power consumption 4W
- Up to 10km reach for G.652 SMF
- Built-in digital diagnostic functions (DDM)
- RoHS compliant (lead-free)
- Compliant with Telcordia (Bellcore) GR-468-CORE



25G/40G/50G Products Specifications

P/N	Data Rate	Form Factor	Center Wavelength	Connector	TX/RX	Power	Reach
SFP-25G-SR	25G	SFP28	850nm	LC Duplex	VCSEL/PIN	≤1W	70m(OM3)/100m(OM4)
SFP-25G-LR	25G	SFP28	1310nm	LC Duplex	DFB/PIN	≤1W	10km
SFP-25G-ER	25G	SFP28	1310nm	LC Duplex	DFB/APD	≤1.75W	40km
SFP-25G-ER-BDU-40	25G	SFP28	1270nm-TX/1330nm-RX	LC Simplex	DFB/APD	≤1.75W	40km
SFP-25G-ER-BDD-40	25G	SFP28	1330nm-TX/1270nm-RX	LC Simplex	DFB/APD	≤1.75W	40km
QSFP-40GA-SR4	40G	QSFP+	850nm	MPO	VCSEL/PIN	≤1.5W	100m
QSFP-40GC-SR4	40G	QSFP+	850nm	MPO	VCSEL/PIN	≤1.5W	300m
QSFP-40GJ-LR4	40G	QSFP+	1310nm	LC Duplex	DFB/PIN	≤3.5W	2km
QSFP-40G-LR4	40G	QSFP+	1310nm	LC Duplex	DML/PIN	≤3.5W	10km
QSFP-40G-LX4	40G	QSFP+	1310nm	LC Duplex	DFB/PIN	≤3.5W	150m(MMF)/2km(SMF)
QSFP-40G-PIR4	40G	QSFP+	1310nm	MPO	DFB/PIN	≤2.5W	1.4km
QSFP-40G-PLR4	40G	QSFP+	1310nm	MPO	DFB/PIN	≤2.5W	10km
QSFP-40G-ER4	40G	QSFP+	1310nm	LC Duplex	DML/APD	≤3.5W	40km
QSFP28-50G-LR	50G	QSFP28	1310nm	LC Duplex	DFB/PIN	≤4W	10km
QSFP28-50G-ER	50G	QSFP28	1310nm	LC Duplex	EML/APD	≤4.5W	40km

10G Transceivers

For 10G Ethernet, MAN (metropolitan area network), access network, wireless, campus, data center, etc.

Features

■ SFP+ Grey

- Hot pluggable SFP+ form factor
- Transmission data rate up to 10.3125Gbps
- Center wavelength 850nm, 1310nm, 1550nm
- Compliant with IEEE 802.3ae, SFF-8472, SFF-8431 SFF-8432 and SFP+ MSA Ethernet standards
- Maximum power consumption 1.5W
- Transmission distance 300m-100km



■ SFP BIDI+

- Hot pluggable SFP+ form factor
- Transmission data rate up to 10.3125Gbps
- Center wavelength 1270nm, 1330nm, 1490nm, 1550nm
- Compliant with IEEE 802.3ae, SFF-8472, SFF-8431 SFF-8432 and SFP+ MSA Ethernet standards
- Maximum power consumption 1.8W
- Transmission distance 10km-100km



■ SFP+ Colored (WDM)

- Hot pluggable SFP+ form factor
- Transmission data rate up to 10.3125Gbps
- Center wavelength 1270nm-1610nm (CWDM), C17-C61 (DWDM)
- Compliant with IEEE 802.3ae, SFF-8472, SFF-8431, SFF-8432 and SFP+ MSA Ethernet standards
- Maximum power consumption 1.5W
- Transmission distance 10km-100km (CWDM), 40km-100km (DWDM)



Standards

- Built-in digital diagnostic functions (DDM)
- RoHS compliant (lead-free)
- Class 1 Laser

- Compliant with EMI, ESD, Telcordia (Bellcore) GR-468-CORE and IEC60825-1

10G SFP+/XFP Products Specifications


P/N	Data Rate	Form Factor	Wavelength	Connector	TX/RX	Power	Reach
SFP-10G-SR	10G	SFP+	850nm	LC Duplex	VCSEL/PIN	≤1W	300m(OM3) 400m(OM4)
SFP-10G-LR	10G	SFP+	1310nm	LC Duplex	DFB/PIN	≤1.2W	10km
SFP-10G-ER	10G	SFP+	1550nm	LC Duplex	EML/PIN	≤1.5W	40km
SFP-10G-ZR	10G	SFP+	1550nm	LC Duplex	EML/APD	≤1.5W	80km
SFP-10G-T	10G	SFP+	/	RJ45	/	≤2W	30m/80m (cat6a/7)
SFP-10G-ER-BDU-40	10G	SFP+	1270nm-TX/1330nm-RX	LC Simplex	DFB/PIN	≤1.5W	40km
SFP-10G-ER-BDD-40	10G	SFP+	1330nm-TX/1270nm-RX	LC Simplex	DFB/PIN	≤1.5W	40km
SFP-10G-ZR-BDU-80	10G	SFP+	1490nm-TX/1550nm-RX	LC Simplex	EML/APD	≤1.8W	80km
SFP-10G-ZR-BDD-80	10G	SFP+	1550nm-TX/1490nm-RX	LC Simplex	EML/APD	≤1.8W	80km
SFP-10G-ER-CW40	10G	SFP+	1270 ~ 1610nm	LC Duplex	EML/PIN	≤1.5W	40km
SFP-10G-ZR-CW80	10G	SFP+	1470 ~ 1610nm	LC Duplex	EML/APD	≤1.5W	80km
SFP-10G-ER-DW40	10G	SFP+	C17 ~ C61	LC Duplex	EML/PIN	≤1.5W	40km
SFP-10G-ZR-DW80C	10G	SFP+	C17 ~ C61 (Tunable)	LC Duplex	EML/PIN	≤1.5W	80km
XFP-10G-SR	10G	XFP	850nm	LC Duplex	VCSEL/PIN	≤1.5W	300m
XFP-10G-LR	10G	XFP	1310nm	LC Duplex	DFB/PIN	≤1.5W	10km
XFP-10G-ER	10G	XFP	1550nm	LC Duplex	EML/PIN	≤1.5W	40km
XFP-10G-ZR	10G	XFP	1550nm	LC Duplex	EML/APD	≤1.6W	80km

1G Transceivers

For 1G Ethernet, MAN (metropolitan area network), access network.


Features

■ **SFP Grey**

- Hot pluggable SFP form factor
 - Transmission data rate up to 1.25Gbps
 - Center wavelength 850nm, 1310nm, 1550nm
 - Compliant with IEEE 802.3z, SFF-8472 and SFP MSA Ethernet standards
 - Maximum power consumption 1W
 - Transmission distance 550m-160km
- 




■ SFP BIDI

- Hot pluggable SFP form factor
 - Transmission data rate up to 1.25Gbps
 - Center wavelength 1310nm, 1490nm, 1510nm, 1550nm, 1590nm
 - Compliant with IEEE 802.3z, SFF-8472 and SFP MSA Ethernet standards
 - Maximum power consumption 1W
 - Transmission distance 10km-120km
- 



- **SFP colored (WDM)**

- Hot pluggable SFP form factor
 - Transmission data rate up to 1.25Gbps
 - Center wavelength 1270nm-1610nm (CWDM), C17-C61 (DWDM)
 - Compliant with IEEE 802.3z, SFF-8472 and SFP MSA Ethernet standards
 - Maximum power consumption 1W
 - Transmission distance 10km-100km (CWDM), 40km-100km (DWDM)
- 



Standards

- Built-in digital diagnostic functions (DDM)
- RoHS compliant (lead-free)
- Class 1 Laser
- Compliant with EMI, ESD, Telcordia (Bellcore) GR-468-CORE and IEC60825-1

1G SFP Products Specifications

P/N	Data Rate	Form Factor	Center Wavelength	Connector	TX/RX	Power	Reach
SFP-1GE-SR	1G	SFP	850nm	LC Duplex	VCSEL/PIN	≤0.85W	550m (OM2/OM3/OM4)
SFP-1GE-LR	1G	SFP	1310nm	LC Duplex	FP/PIN	≤0.85W	10km
SFP-1GE-ER	1G	SFP	1550nm	LC Duplex	DFB/PIN	≤0.95W	40km
SFP-1GE-ZR	1G	SFP	1550nm	LC Duplex	DFB/PIN	≤1W	80km
					DFB/APD	≤1W	100km/120km /160km
SFP-1GE-T	1G	SFP	/	RJ45	/	≤1W	100m(cat5e/6)
SFP-1GE-ER-BDU-40	1G	SFP	1310nm-TX/ 1550nm-RX	LC Simplex	DFB/PIN	≤0.86W	40km
SFP-1GE-ER-BDD-40	1G	SFP	1550nm-TX/ 1310nm-RX	LC Simplex	DFB/PIN	≤0.86W	40km
SFP-1GE-ZR-BDU-80	1G	SFP	1490nm-TX/ 1550nm-RX	LC Simplex	DFB/PIN	≤0.95W	80km
SFP-1GE-ZR-BDD-80	1G	SFP	1550nm-TX/ 1490nm-RX	LC Simplex	DFB/PIN	≤0.95W	80km
SFP-1GE-LR-CW20	1G	SFP	1270 ~ 1610nm	LC Duplex	DFB/PIN	≤1W	20km
SFP-1GE-ZR-CW80	1G	SFP	1270 ~ 1610nm	LC Duplex	DFB/PIN	≤1W	80km
SFP-1GE-ER-DW40	1G	SFP	C17 ~ C61	LC Duplex	DFB/PIN	≤1W	40km
SFP-1GE-ZR-DW80	1G	SFP	C17 ~ C61	LC Duplex	DFB/PIN	≤1W	80km

100M/SONET SDH/FC Transceivers



■ 100M Transceivers

For 100M fast Ethernet.

■ SONET/SDH Transceivers

For SONET/SDH optical transport network, SONET/SDH core switch, multi-service transport platform (MSTP), optical edge equipment (OED), add/drop multiplexer.

■ FC Transceivers

It is applicable to FC (Fibre Channel) network, and can realize the transmission of data files among storage, server and client nodes.

100M/SONET SDH/FC Transceivers

P/N	Data Rate	Form Factor	Center Wavelength	Connector	TX/RX	Power	Reach
SFP-FE-SR-31	100M	SFP	1310nm	LC Duplex	FP/PIN	≤0.86W	2km
SFP-FE-T	100M	SFP	/	RJ45	/	≤1.2W	100m
SFP-155M-SR-31	155M(OC-3/STM-1)	SFP	1310nm	LC Duplex	FP/PIN	≤0.86W	2km
SFP-622M-LR	622M(OC-12/STM-4)	SFP	1310nm	LC Duplex	FP/PIN	≤0.86W	10km
SFP-2.5G-LR	2.5G(OC-48/STM-16)	SFP	1310nm	LC Duplex	DFB/PIN	≤0.95W	10km
SFP-8G-SR	8G	SFP+	850nm	LC Duplex	VCSEL/PIN	≤1W	100m
SFP-16G-SR	16G	SFP+	850nm	LC Duplex	VCSEL/PIN	≤1W	100m
SFP-32G-SR	32G	SFP28	850nm	LC Duplex	VCSEL/PIN	≤1W	100m

The background of the slide is a deep blue gradient. On the right side, there is a large, glowing sphere composed of many small, bright blue dots, giving it a textured, digital appearance. From the left side of this sphere, a trail of smaller, fainter blue dots extends towards the left edge of the frame, suggesting a path or a flow of data. The overall aesthetic is futuristic and technological.

DAC & AOC

Direct Attach Copper Cable (DAC)

The DAC high-speed cable has the characteristics of low power consumption and low delay, and is an ideal solution for short-distance transmission (within 7m) between data center racks. Compared with the combination of modules and jumpers, it can effectively save costs.

Direct Attach Cable

Features

■ 25G SFP28 DAC

- Hot pluggable SFP28 form factor
- Transmission data rate up to 25.78Gbps
- Single channel NRZ modulation
- Transmission distance 1-5m
- Compliant with SFP28 MSA, SFF-8402, SFF-8432 and 25G Ethernet standards



■ 100G QSFP28 DAC

- Hot pluggable QSFP28 form factor
- Transmission data rate up to 103.125Gbps
- Four channel 4x25.78Gbps NRZ modulation
- Transmission distance 1-5m
- Compliant with QSFP28 MSA, SFF-8636 and 100G Ethernet standards



■ 200G QSFP56 DAC

- Hot pluggable QSFP56 form factor
- Transmission data rate up to 212.5Gbps
- Four channel 4x53Gbps PAM4 modulation
- Transmission distance 1-3m
- Compliant with SFF-8636 and 200G Ethernet standards



■ 400G QSFP-DD DAC

- Hot pluggable QSFP-DD form factor
- Transmission data rate up to 425Gbps
- Eight channel 8x53Gbps PAM4 modulation
- Transmission distance 1-3m
- Compliant with CMIS Rev 4.0 and 400G Ethernet standards



DAC Breakout Cable

Features

■ 100G QSFP28-4xSFP28 DAC

- Hot pluggable QSFP28/SFP28 form factor
- Transmission data rate 100Gbps-4x25Gbps
- Four channel NRZ modulation
- Transmission distance 1-5m
- Compliant with SFF-8402, SFF-8665 and 100G/25G Ethernet standards



■ 200G QSFP56-2xQSFP56 DAC

- Hot pluggable QSFP56 form factor
- Transmission data rate 200Gbps-2x100Gbps
- Four channel PAM4 modulation
- Transmission distance 1-3m
- Compliant with SFF-8636, SFF-8665 and 200G/100G Ethernet standards



■ 400G QSFP-DD-8xSFP56 DAC

- Hot pluggable QSFP-DD/SFP56 form factor
- Transmission data rate 400Gbps-8x50Gbps
- Eight channel PAM4 modulation
- Transmission distance 1-3m
- Compliant with CMIS Rev 4.0 and 400G/50G Ethernet standards



DAC Products Specifications

P/N	Data Rate	Form Factor	Reach	P/N	Data Rate	Form Factor	Reach
DAC				DAC Breakout Cable			
SFP-10G-CU*	10G	SFP+	1-7m	Q4SFP-40G-CU*	40G-4x10G	QSFP+/SFP+	0.5-7m
SFP-25G-CU*	25G	SFP28	1-5m	Q2Q28-100G-CU*	100G-2x50G	QSFP28/QSFP28	1-5m
QSFP-40G-CU*	40G	QSFP+	1-7m	Q4SFP-100G-CU*	100G-4x25G	QSFP28/SFP28	1-5m
SFP56-50G-CU*	50G	SFP56	1-3m	Q2DSFP-200G-CU*	200G-2x100G	QSFP56/DSFP	1-3m
QSFP-56G-CU*	56G	QSFP+	1-5m	Q2Q56-200G-CU*	200G-2x100G	QSFP56/QSFP56	1-3m
QSFP-100G-CU*	100G	QSFP28	1-5m	Q4S56-200G-CU*	200G-4x50G	QSFP56/SFP56	1-3m
Q56-200G-CU*	200G	QSFP56	1-3m	Q2Q56-400G-CU*	400G-2x200G	QSFP-DD/QSFP56	1-3m
QDD-400G-CU*	400G	QSFP-DD	1-3m	Q8S56-400G-CU*	400G-8x50G	QSFP-DD/SFP56	1-3m
Note: Product model * indicates the length of high-speed cable, in meter							

Active Optical Cable (AOC)

AOC active optical cable has the characteristics of low power consumption and light weight. Compared with modules, there is no problem of optical interface pollution, which can improve system stability and reduce The cost of computer room management is suitable for the connection between the inside of the data center rack and the adjacent cabinets.

Active Optical Cable

Features

■ 100G QSFP28 AOC

- Hot pluggable QSFP28 form factor
- Transmission data rate up to 103.125Gbps
- Four channel NRZ modulation
- Transmission distance 1-100m
- Compliant with SFF-8636 and 100G Ethernet standards



■ 200G QSFP56 AOC

- Hot pluggable QSFP56 form factor
- Transmission data rate up to 212.5Gbps
- Four channel NRZ modulation
- Transmission distance 1-100m
- Compliant with SFF-8636 and 200G Ethernet standards



■ 400G QSFP-DD AOC

- Hot pluggable QSFP-DD form factor
- Transmission data rate up to 425Gbps
- Eight channel PAM4 modulation
- Transmission distance 1-100m
- Compliant with CMIS Rev 4.0 and 400G Ethernet standard



■ 800G OSFP AOC

- Hot pluggable OSFP form factor
- Transmission data rate up to 850Gbps
- Eight channel PAM4 modulation
- Transmission distance 1-30m
- Compliant with IEE802.3ck, OSFP MSA and 800G Ethernet standards



AOC Breakout Cable

Features

■ 40G QSFP-4xSFP AOC

- Transmission data rate 40Gbps-4x10Gbps
- Four channel NRZ modulation
- Transmission distance 1-150m



■ 100G QSFP28-4xSFP28 AOC

- Transmission data rate 100Gbps-4x25Gbps
- Four channel NRZ modulation
- Transmission distance 1-100m



■ 200G QSFP56-2xQSFP56 AOC

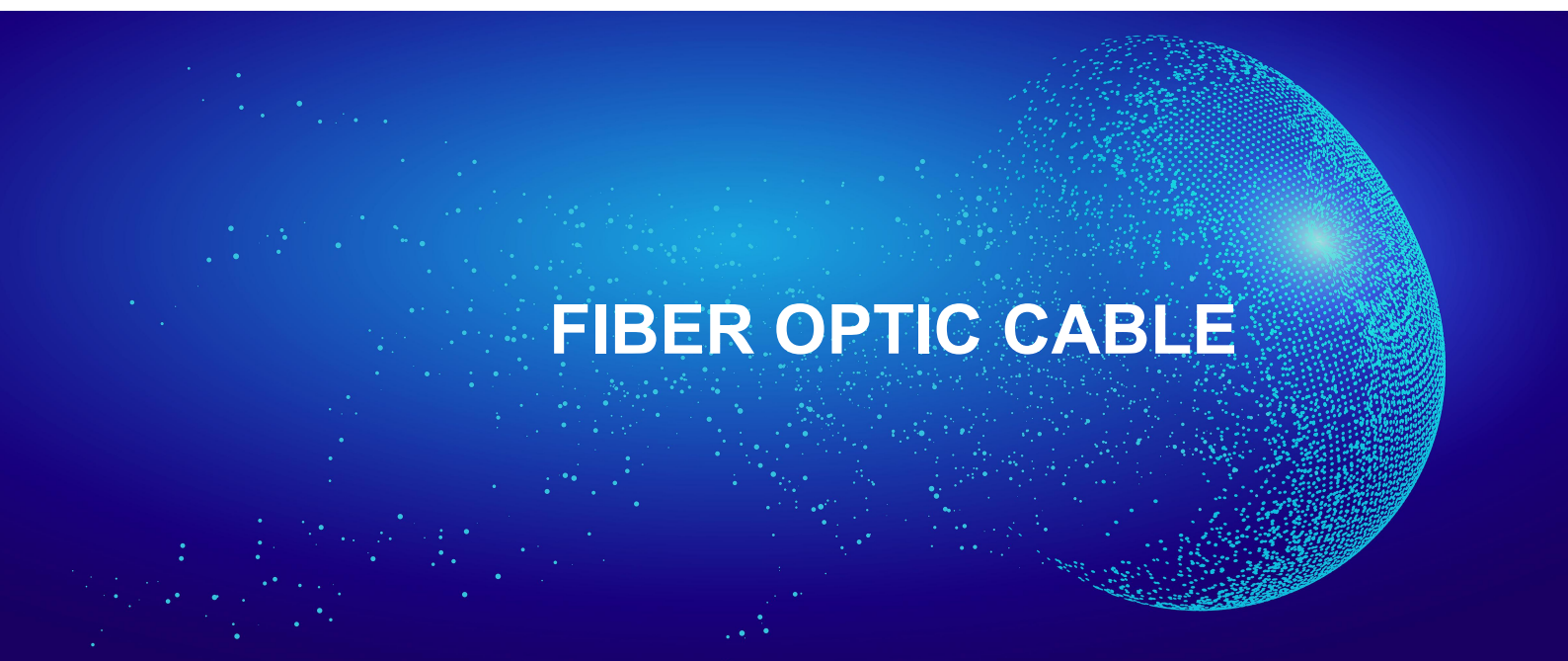
- Transmission data rate 200Gbps-2x100Gbps
- Four channel PAM4 modulation
- Transmission distance 1-100m



AOC Products Specifications

P/N	Data Rate	Form Factor	Reach	P/N	Data Rate	Form Factor	Reach
Active Optical Cable							
SFP-10G-A*	10G	SFP+	1-300m	QSFP-100G-A*	100G	QSFP28	1-100m
SFP-25G-A*	25G	SFP28	1-100m	Q56-200G-A*	200G	QSFP56	1-100m
QSFP-40G-A*	40G	QSFP+	1-150m	QDD-400G-A*	400G	QSFP-DD	1-100m
QSFP-56G-A*	56G	QSFP+	1-150m	QDD-800G-A*	800G	QSFP-DD	1-30m
DSFP-100G-A*	100G	DSFP	1-100m	OSFP-800G-A*	800G	OSFP	1-30m
AOC Breakout Cable							
Q4SFP-100G-A*	100G-4x25G	QSFP28/SFP28	1-100m	Q4SFP-40G-A*	40G-4x10G	QSFP+/SFP+	1-150m
Q2Q56-200G-A*	200G-2x100G	QSFP56/QSFP56	1-100m	Q8LC-40G-A*	40G-4x10G	QSFP+	1-100m
Note: Product model * indicates the length of high-speed optical cable,in: meter							

FIBER OPTIC CABLE



Fiber Optic Cable

OM4 Multi Mode Cables

Features

■ OM4-LC-LC

- LC Duplex-LC Duplex Connector
- Polish Type: UPC - UPC
- Insertion loss \leq 0.3dB, Return loss \geq 30dB
- Low insertion loss, Plug resistance, high temperature resistance without deformation
- Good repeatability and interchangeability
- High-quality ferrule with precise pin alignment
- ROHS Compliant
- Compliant with Telcordia GR-326-CORE



OS2 Single Mode Cables

Features

■ SM-LCU-LCU

- LC Duplex-LC Duplex Connector
- Polish Type: UPC - UPC
- Insertion loss \leq 0.3dB, Return loss \geq 50dB
- Low insertion loss, Plug resistance, high temperature resistance without deformation
- Good repeatability and interchangeability
- High-quality ferrule with precise pin alignment
- ROHS Compliant
- Compliant with Telcordia GR-326-CORE



Single Mode MTP/MPO Trunk Cables

Features

■ 12BMPOSMF

- MPO (Female)-MPO (Female) Connector
- Polish Type: APC-APC
- Polarity: Type B Insertion loss \leq 0.3dB, Return loss \geq 60dB
- Low insertion loss, Plug resistance, high temperature resistance without deformation



- Good repeatability and interchangeability
- High-quality ferrule with precise pin alignment
- High density applications
- ROHS Compliant
- Compliant with Telcordia GR-326-CORE

Single Mode MPO Breakout Cables

Features

■ 8BMPOLCSMF

- MPO (Female)-LC (Duplex) Connector
- Polish Type: APC - UPC
- Polarity: Type B
- Insertion loss $\leq 0.35\text{dB(MPO)}/\leq 0.2\text{dB(LC)}$, Return loss $\geq 60\text{dB(MPO)}/\geq 50\text{dB(LC)}$
- Low insertion loss, Plug resistance, high temperature resistance without deformation
- Good repeatability and interchangeability
- High-quality ferrule with precise pin alignment
- High density applications
- ROHS Compliant
- Compliant with Telcordia GR-326-CORE



Fiber Optic Cables Specifications

P/N	Fiber Mode	Connector	Polish	Polarity	Fiber Count	Insertion loss	Return loss
SM-LCU-LCU	OS2	LC-LC	UPC-UPC	/	2Fibers	$\leq 0.3\text{dB}$	$\geq 50\text{dB}$
OM4-LC-LC	OM4	LC-LC	UPC-UPC	/	2Fibers	$\leq 0.3\text{dB}$	$\geq 30\text{dB}$
OM3-LC-LC	OM3	LC-LC	UPC-UPC	/	2Fibers	$\leq 0.3\text{dB}$	$\geq 30\text{dB}$
OM2-LC-LC	OM2	LC-LC	UPC-UPC	/	2Fibers	$\leq 0.3\text{dB}$	$\geq 30\text{dB}$
12AMPOSMF	OS2	MPO(Female)-MPO(Female)	APC-APC	TypeA	12Fibers	$\leq 0.35\text{dB}$	$\geq 60\text{dB}$
12BMPOSMF	OS2	MPO(Female)-MPO(Female)	APC-APC	TypeB	12Fibers	$\leq 0.35\text{dB}$	$\geq 60\text{dB}$
12AMPOOM4	OM4	MPO(Female)-MPO(Female)	UPC-UPC	TypeA	12Fibers	$\leq 0.35\text{dB}$	$\geq 20\text{dB}$
12BMPOOM4	OM4	MPO(Female)-MPO(Female)	UPC-UPC	TypeB	12Fibers	$\leq 0.35\text{dB}$	$\geq 20\text{dB}$
8BMPOLCSMF	OS2	MPO(Female)-LC	APC-UPC	TypeB	8Fibers	$\leq 0.35\text{dB(MPO)}$ $\leq 0.2\text{dB(LC)}$	$\geq 60\text{dB(MPO)}$ $\geq 50\text{dB(LC)}$
8BMPOLCOM4	OM4	MPO(Female)-LC	UPC-UPC	TypeB	8Fibers	$\leq 0.35\text{dB(MPO)}$ $\leq 0.2\text{dB(LC)}$	$\geq 20\text{dB(MPO)}$ $\geq 30\text{dB(LC)}$

The background of the slide is a deep blue gradient. On the right side, there is a large, glowing sphere composed of many small, bright blue dots, resembling a digital globe or a data sphere. To the left of this sphere, there are several trails of smaller, fainter blue dots that appear to be moving or dispersing, creating a sense of dynamic energy or data flow.

ETHERNET SWITCH & SMARTNIC

Ethernet Switch

■ NVIDIA Spectrum™ Ethernet Switch

NVIDIA networking offers complete Ethernet solutions for your data center, from server connectivity to cables to switching, giving you the competitive advantage. These end-to-end solutions deliver industry-leading performance, scalability, reliability, and value across a wide range of applications such as cloud computing, data storage, artificial intelligence, and more.



NVIDIA SPECTRUM SN4000



NVIDIA SPECTRUM SN3000



NVIDIA SPECTRUM SN2000

Advantages

- Advanced network virtualization with support for high-performance, single-pass VXLAN routing and IPv6/multi-protocol label switching (MPLS) segment routing
- Programmable pipeline with the ability to programmatically parse, process, and edit packets
- Robust high-bandwidth data path for RoCE-based and GPUDirect-based applications
- In-band network telemetry (INT)-ready hardware
- Rich data center features at unprecedented scale with NVIDIA FlexFlow™ packet processing
- Consistent performance and ultra-low latency
- Fair bandwidth sharing with fully shared packet buffer
- Supported Operating Systems: NVIDIA Cumulus Linux™, NVIDIA Onyx®, SONiC

Spectrum Specifications

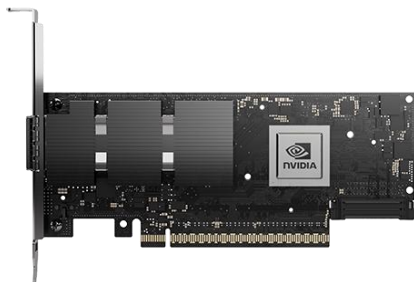
OPN	Connectors	400GbE	200GbE	100GbE	50GbE	40GbE	1G/10G/ 25GbE	Rack mount	Throughput
SN2010	18x SFP28 25GbE + 4x QSFP28 100GbE	/	/	4	8	4	34	1U	1.7Tb/s
SN2100	16x QSFP28 100GbE	/	/	16	32	16	64	1U	3.2Tb/s
SN2410	48x SFP28 25GbE + 8x QSFP28 100GbE	/	/	8	16	8	64	1U	4.0Tb/s
SN2700	32x QSFP28 100GbE	/	/	32	64	32	64	1U	6.4Tb/s
SN3700	32x QSFP56 200GbE		32	64	128	32	128	1U	12.8Tb/s
SN3700 C	32x QSFP28 100GbE	/	/	32	64	32	128	1U	6.4Tb/s
SN3420	12x QSFP28 100GbE 48x SFP28 25GbE	/	/	12	/	12	96	1U	4.8Tb/s
SN3510	6x QSFPDD 400GbE + 48x SFP56 50GbE	6	12	24	96	12	96	1U	9.6Tb/s
SN4600 C	64x QSFP28 100GbE	/	/	64	128	64	128	2U	12.8Tb/s
SN4700	32x QSFPDD 400GbE	32	64	64	128		128	1U	25.6 Tb/s
SN4600	64 QSFP56 200GbE	/	64	128	128	64	128	2U	25.6Tb/s
SN4800	Based on Line Cards	Up to 32 in full chassis	Up to 64 in full chassis	Up to 128 in full chassis	Up to 128 in full chassis	Up to 128 in full chassis	Up to 128 in full chassis	4U	/

■ Nvidia ConnectX SmartNIC

The industry-leading NVIDIA® ConnectX® family of smart network interface cards (SmartNICs) offers advanced hardware offloads and accelerations. NVIDIA Ethernet adapters enable the highest ROI and lowest Total Cost of Ownership for hyperscale, public and private clouds, storage, machine learning, AI, big data, and telco platforms.

Powered by NVIDIA ASAP2—Accelerated Switch and Packet Processing® technology, ConnectX SmartNICs accelerate network performance while reducing the CPU overhead of Internet Protocol (IP) packet transport, freeing more processor cycles to run applications.

With unmatched RDMA over Converged Ethernet (RoCE) performance, ConnectX SmartNICs deliver efficient, high-performance remote direct-memory access (RDMA) services to bandwidth-and latency-sensitive applications.



ConnectX-7 25/50/100/200/400G SmartNIC



ConnectX-6 Dx 10/25/50/100/200G SmartNIC

Advantages

- ConnectX SmartNICs offload and accelerate encryption/decryption at speeds up to 400Gb/s
- With industry-leading Data Plane Development Kit (DPDK) performance, they deliver more throughput, with less CPU cycles
- They enable secure boot of the operating system with in-hardware root of trust
- ConnectX SmartNICs are certified in all major operating systems as well as top virtualization, and containerization platforms

ConnectX SmartNIC Specifications

OPN	Max Network Speed	Interface Type	Supported Ethernet Speed [GbE]	Host Interface [PCIe]
MCX614106A-CCAT	2x 100 GbE	QSFP56	100 /50/40/25/10/1	Gen 3.0 2x16 Socket Direct
MCX614105A-VCAT	1x 200 GbE	QSFP56	200/100 /50/40/25/10/1	Gen 3.0 2x16 Socket Direct
MCX613106A-VDAT	2x 200 GbE	QSFP56	200/100/50/40/25/10/1	Gen 4.0 x16
MCX631102AN-ADAT	2 x 25GbE	SFP28	25/10/1	Gen 4.0 x8
MCX512A-ACUT	2x 25GbE	SFP28	25/10/1	PCIe 3.0 x8
MCX516A-CCAT	2x 100GbE	QSFP28	100/50/40/25/10/1	PCIe 3.0 x16

The background of the slide is a deep blue gradient. On the right side, there is a large, glowing sphere composed of many small, bright blue dots, giving it a textured, digital appearance. To the left of the sphere, there are several faint, wispy trails of smaller blue dots, suggesting movement or data flow. The overall aesthetic is high-tech and futuristic.

INFINIBAND SWITCH & SMARTNIC

Infiniband Switch

■ Infiniband network solution

Complex workloads demand ultra-fast processing of high-resolution simulations, extreme-size datasets, and highly parallelized algorithms. As these computing requirements continue to grow, NVIDIA Quantum InfiniBand — the world's only fully offloadable, In-Network Computing platform—provides the dramatic leap in performance needed to achieve unmatched data center performance with less cost and complexity.

Nvidia Infiniband Switch

NVIDIA Quantum InfiniBand switches deliver a complete switch system and fabric management portfolio for connecting cloud-native supercomputing at any scale. NVIDIA Quantum InfiniBand also provides self-healing network capabilities, enhanced quality of service (QoS), congestion control, and adaptive routing to provide the highest overall application throughput.

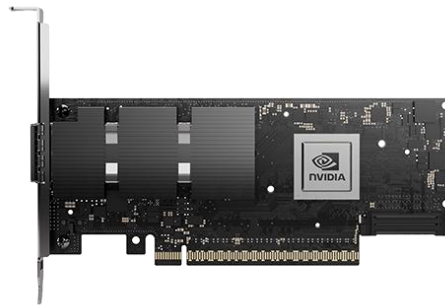


InfiniBand Switches Specifications

OPN	QUANTUM-2 QM9700	QUANTUM QM8700
Performance	400Gb/s per port	200Gb/s per port
Interface	OSFP	QSFP56
Power supply	1+1 redundant and hot-swappable power Input range: 200-240VAC 80 Gold+ and ENERGY STAR certified	1+1 redundant and hot-swappable power Input range: 100-127VAC, 200-240VAC 80 Gold+ and ENERGY STAR certified power supplies
Management ports	1x USB 3.0 x11x USB for I2C channel 1x RJ45 1x RJ45 (UART)	1x RJ45 1x console port: RS232 1x micro USB
CPU	x86 Coffee Lake i3	Broadwell ComEx D-1508 2.2GHZ
System memory	Single 8GB, 2,666 mega transfers per second (MT/s), DDR4 SO-DIMM	Single 8GB
Software	MLNX-OS	MLNX-OS
Rack mount	1U rack mount	1U rack mount

Nvidia connectX InfiniBand adapters

Leveraging faster speeds and innovative In-Network Computing, NVIDIA ConnectX InfiniBand smart adapters achieve extreme performance and scale. NVIDIA ConnectX lowers cost per operation, increasing ROI for high-performance computing (HPC), machine learning, advanced storage, clustered databases, low-latency embedded I/O applications, and more.



ConnectX InfiniBand Adapters Specifications

OPN	InfiniBand Supported Speeds (Gb/s)	Ethernet Supported Speeds (GbE)	Network Ports	Cages	PCI Express Configuration
MCX555A-ECAT	EDR,FDR	40/50/100GbE	1	QSFP28	PCIe3.0 x16
MCX556A-ECAT	EDR,FDR	40/50/100GbE	2	QSFP28	PCIe3.0 x16
MCX556A-EDAT	EDR,FDR	40/50/100GbE	2	QSFP28	PCIe4.0 x16
MCX653435A-HDAE	HDR,HDR100,EDR	50/100/200GbE	1	QSFP56	PCIe4.0 x16
MCX653436A-HDAI	HDR,HDR100,EDR	50/100/200GbE	2	QSFP56	PCIe4.0 x16
MCX654106A-ECAT	HDR100, EDR, FDR	40/50/100GbE	2	QSFP56	PCIe4.0 x16

A graphic featuring a large, textured sphere on the right side, composed of many small dots. A bright light source is visible on the right side of the sphere, creating a lens flare effect. A trail of smaller dots extends from the sphere towards the left side of the image. The background is a solid dark blue.

NVIDIA BlueField DPU

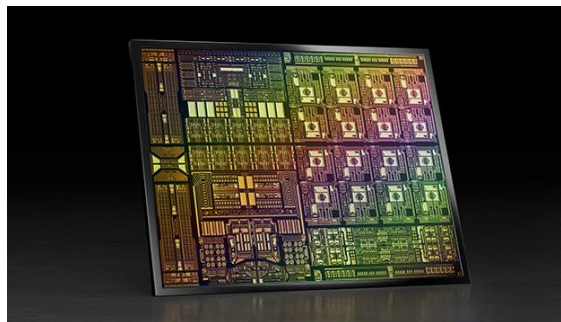
DPU

Nvidia BlueField DPU

The NVIDIA® BlueField® data processing unit (DPU) ignites unprecedented innovation for modern data centers. By offloading, accelerating, and isolating a broad range of advanced networking, storage, and security services, BlueField DPUs provide a secure and accelerated infrastructure for any workload in any environment, from cloud to data center to edge. BlueField DPUs combine powerful computing, full infrastructure-on-chip programmability, and high performance networking to address the most demanding workloads.

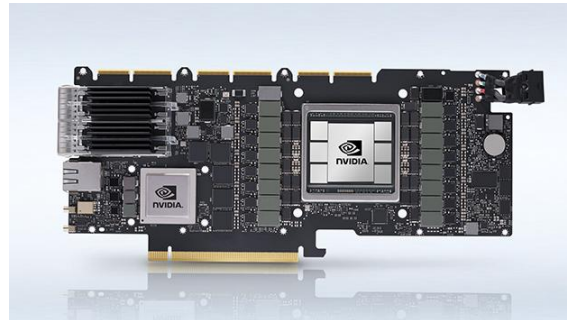
■ NVIDIA BlueField-3 DPU

NVIDIA BlueField-3 is the first 400Gb/s / NDR DPU with line-rate processing of software-defined networking, storage, and cybersecurity. BlueField-3 combines powerful computing, high-speed networking, and extensive programmability to deliver software-defined, hardware-accelerated solutions for the most demanding workloads. From accelerated AI computing to hybrid cloud to cloud-native supercomputing and 5G wireless networks, BlueField-3 redefines the art of the possible.



■ NVIDIA BlueField-2 DPU

NVIDIA BlueField-2 DPU provides innovative acceleration, security, and efficiency in every host. BlueField-2 data center infrastructure combines the power of the NVIDIA ConnectX®-6 Dx with programmable Arm® cores and hardware offloads for software-defined storage, networking, security, and management workloads. NVIDIA BlueField-2 also delivers superior performance, security, and reduced TCO for cloud computing platforms, enabling organizations to efficiently build and operate virtualized, containerized, and bare-metal infrastructures at massive scale.



NVIDIA BlueField DPU Specifications

OPN	Series/Core Speed	Max Speed	Network Ports	PCIe Support	On-board DDR Memory	On-board eMMC Memory
MBF2M345A-HECOT	E-Series/2.0GHz	200GbE/HDR/HDR100	1xQSFP56	Gen 4.0 x16	16GB	64GB
MBF2H516A-EECOT	P-Series/2.75GHz	100GbE/EDR/HDR100	2xQSFP56	Gen 4.0 x16	16GB	64GB
MBF2H516C-EECOT	P-Series/2.75GHz	100GbE/EDR/HDR100	2xQSFP56	Gen 4.0 x16	16GB	128GB
MBF2H322A-AECOT	P-Series/ 2.5GHz	25GbE	2xSFP56	Gen 4.0 x8	8GB	64GB
MBF2M345A-VECOT	E-Series/ 2.0GHz	200GbE	1xQSFP56	Gen 4.0 x16	16GB	64GB
MBF2M355A-VECOT	E-Series/ 2.0GHz	200GbE	1xQSFP56	Gen 4.0 x16	32GB	64GB

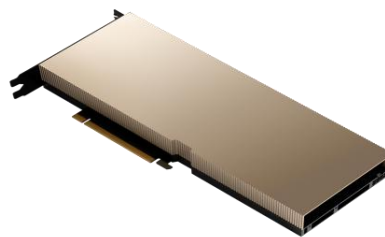


GPU

GPU

The core of AI and HPC in the modern data center

Solving the world's most important scientific, industrial, and business challenges with AI and HPC. Visualizing complex content to create cutting-edge products, tell immersive stories, and reimagine cities of the future. Extracting new insights from massive datasets. The NVIDIA Ampere architecture, designed for the age of elastic computing, rises to all these challenges, providing unmatched acceleration at every scale.



Advantages

- Third-Generation Tensor Cores
- Multi-Instance GPU (MIG)
- Third-Generation NVLink
- Structural Sparsity
- Second-Generation RT Cores
- Smarter and Faster Memory

Relative Performance by GPU (Ampere and T4)



Relative Performance by GPU (Ampere and T4)

NVIDIA Ampere GPU Specifications

OPN	NVIDIA A100	NVIDIA A40	NVIDIA A30	NVIDIA A10
GPU Architecture	Ampere Architecture	Ampere Architecture	Ampere Architecture	Ampere Architecture
CUDA Cores	6912	10752	3584	9216
Tensor Cores	432	336	224	288
RT Cores	NA	84	NA	72
TF32 FP16 INT8	312* 624* 1248*	49.6* 299.4* 598.6*	165* 330* 660*	126* 250* 500*
FP64 FP32	9.7 19.5	Yes 37.4	5.16 10.3	Yes 31
Memory Capacity	40/80 GB HBM2	48GB HBM2	24GB GDDR6	24GB GDDR6
Memory Bandwidth	1555/2039 GB/s	696 GB/s	933 GB/s	600 GB/s
Multi-Instance GPU	Up to 7	NA	Up to 4	NA
NVLink	12-way	2-way	2-way	NA
Media Acceleration	1 JPEG Decoder 5 Video Decoder	1 Video Encoder 2 Video Decoder	1 JPEG Decoder 4 Video Decoder	1 Video Encoder 2 Video Decoder
Boost clock	1530 MHZ	1740 MHZ	1440 MHZ	1695 MHZ
Display Connector	None	3 x DP 1.4	None	None
Former Factor	SXM4	FHFL 2 slots	FHFL 2 slots	FHFL 1 slot
Max Power	400W	300W	165W	150W
Interface	PCI Express Gen 4 x 16	PCI Express Gen 4 x 16	PCI Express Gen 4 x 16	PCI Express Gen 4 x 16
Positioning	High Perf for AI, HPC& Data Processing	Highest Perf for Graphics	AI Inference & Mainstream Compute	Mainstream Graphics & Video with AI

SERVICE & SUPPORT

Quick Response, Providing High Value Expert level Services.

■ Service concept



Professional

We are global top 10 high-quality fiber optic network suppliers to maximize your business value and achieve a sustainable competitive advantage.



Comprehensive

We will continue to expand service areas, exceed users' expectations to the greatest extent, provide comprehensive services, and continue to create value for users.



High Quality

Always adhere to the "user first" service to provide users with advanced value and service experience.



Quick Response

We offer fast one-to-one service for each customer and customized technical support to meet different requests.

■ Technical support



Presales services



Implementation



Talk with our experts



Technica communication



Cases study



Suggestion & Feedback

■ After sales services



✓ Free return within one month

Within one month from the date of purchase (The date of issuance of invoice or valid sales voucher shall prevail), if there is any quality problems, Please make sure the package and appearance of the product are intact without artificial damage, could be returned for free.

Exclusions:

- The original purchase of the product is more than three years.
- No invoices or valid sales documents.
- The invoice or sales voucher is daubed or changed, and the product content stated on the invoice or sales voucher is not consistent with the real product.
- Man-made damage (such as disassembly of the machine by the user, improper connection, access to the power supply with inappropriate voltage, etc.).
- Damage caused by handling, falling and other accidents, and damage caused by force majeure such as natural disasters.
- Natural aging, wear and consumption of shell and other consumable materials.

✓ **3 years replacement services for free**

Within 3 years from the date of purchase (The date of issuance of invoice or valid sales voucher shall prevail), if there is any quality problems without obvious damage or artificial damage, Could be replaced for free.



Exclusions:

- The original purchase of the product is more than three years.
- No invoices or valid sales documents.
- The invoice or sales voucher is daubed or changed, and the product content stated on the invoice or sales voucher is not consistent with the real product.
- Man-made damage (such as disassembly of the machine by the user, improper connection, access to the power supply with inappropriate voltage, etc.).
- Damage caused by handling, falling and other accidents, and damage caused by force majeure such as natural disasters.
- Natural aging, wear and consumption of shell and other consumable materials.



✓ **Lifetime warranty**

In the case of non-artificial quality problem, if the product has been purchased over 3 years from the date of purchase, Customer could choose to replace it.

Note:

- The time of product purchase shall be subject to the invoice date.
- For products that have been used for a long time or are severely damaged, through consultation with the customer, the original product is no longer repaired, but a paid replacement.
- NADDOD authorized the general agent to recover the products at the specified price. Users only need to provide the price difference to get the new products of the same model. The recovery price will be determined separately according to the market situation and the depreciation period.

✓ Advanced product replacement

When equipment failure, We will send replacement parts to troubleshoot in the shortest time.



■ Available Services



Hotline

400 0698 860



WhatsApp

18507199976



Email

product@naddod.com



Online Guiding

Providing one-to-one
online video technical support



Field Service

provide door to door
troubleshooting service



Online Service

Contact with online customer
service on <http://en.naddod.com>

Standards

- IEEE 802.3z
- IEEE 802.3ah
- GR-20-CORE: Generic Requirements for Optical Fiber and Optical Fiber Cable
- GR-326-CORE: Generic Requirements for Single-Mode Optical Connectors and Jumper Assemblies
- GR-1435-CORE: Generic Requirements for Multifiber Optical Connectors
- International Certificates: FDA TUV UL CE FCC
- China Domestic Certificate: CMA

■ Compliance

Safety:

- Laser Class I 21CFR1040 LN #50 7/2001
- Laser Class I IEC 60B25-1

Service Hotline

400 0698 860

TYPICAL CUSTOMERS

Define success by the success of our customers

NADDOD keep creating value for customers, Our Products and solutions are widely used in below key scenarios especially in high-speed rates, emerging fields & high-end applications on various industries such as government, central enterprises, finance, energy, education, medical treatment, Internet and ISP...etc. With years technological innovation and rapid development, NADDOD has become a leading supplier for optical network solutions, and has been awarded of "Gold Supplier" by HUAWEI and "Global Best Partner" by ZTE. Has established close cooperation with customers in many industries.

■ Part of typical customers



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For more success cases, Please visit <http://www.naddod.com> or call 400 0698 860.



MISSION

All Optical Connection, Creates a Brighter Future

VISION

Developing Into a World-class Optical Network Overall Solution Provider

VALUE

Maximum Talent's Strengths

Continuous Innovation for Progress

Create Value for Customers

Seek Excellent with Win-Win Cooperation



NADDOD NETWORKING TECHNOLOGY CO., LTD.

HEADQUARTER

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