InfiniBand Trade Association

Compliance and Interoperability Working Group (CIWG)

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IBTA Plugfest 20 – Oct 2011

- Statistics
  - 20 vendors
  - 14 devices & 196 cables tested
- What was new
  - FDR HCAs and Switches
  - FDR passive copper and active cables
- Integrators' Lists available
  - QDR IL List
    - 347 DDR Cables
    - 276 QDR Cables
    - 4 HCAs, 2 Switches, 1 Gateway, 1 SRP Target, 1 SDR WAN Range Extender
  - FDR IL List – coming soon
    - 56 FDR Cables
    - 2 HCAs and 2 Switches

IBTA Vendor Participation

- **IBTA Plugfest 20**
  - October 31 ➜ November 4, 2011

- **InfiniBand Devices**
  - Intel (QLogic), Mellanox, NetApp, Obsidian Research

- **Cable Vendors**
  - 3M, Advanced Photonics, Amphenol, Cinch, FCI, Finisar, Foxconn, Fujikura, Hitachi, Mellanox, Meritec, Molex, Samtec, TE Connectivity and Volex

- **IBTA Plugfest 21**
  - April 16 ➜ 20, 2012

Device IL List

QDR HCAs

Manufacturer	Product Description	Model	HW	FW	SW
Mellanox	ConnectX®-2 VPI card, Dual Port, 4X QSFP 40Gb/s InfiniBand	MHQH29C-XTR	X1	2.10.1050	OFED 1.5.4 RC4
	ConnectX®-2 VPI card, Single Port, 4X QSFP 40Gb/s InfiniBand	MHQH19B-XTR	X2	2.10.1050	OFED 1.5.4 RC4
QLogic	QDR Single Port HCA	QLE-7340	03	N/A	OFED 1.5.4 RC4
	QDR Dual Port HCA	QLE-7342	03	N/A	OFED 1.5.4 RC4

QDR Switches

Manufacturer	Product Description	Model	HW	FW	SW
Mellanox	InfiniScale® IV QDR InfiniBand Switch, 36 QSFP ports	MIS5030Q-1BFC	X2	7.4.22	1.1.250
QLogic	12200 Series 36-port Edge Switch	QLE-7340	03	7.0.10.23	7.0.1.0.23

QDR SRP Targets

Manufacturer	Product Description	Model	HW	FW	SW
NetApp	Dual Controller QDR SRP Target	Pikes Peak (5468)	1	07.80.08.00	10.80.30.08

Gateways & Range Extenders

Manufacturer	Product Description	Model	HW	FW	SW
Mellanox	Gateway - IB to Ethernet	MBX5020-1SFR	A2	8.4.2550	1.3.6
Obsidian	IB Range Extender - Longbow Encryption	E-100	1.1	1.5.32	N/A

Cable IL List

17 Vendors, 196 New Cables Tested, 347 Cables on the Integrators' List

Company Information		Cable Information					Integrators' List	Qualification
Part Number	Company	Width	Len (m)	AWG	Equalization	Connector Type	QDR	
9846-A-04.0	Meritec	4x	4	24	Unequalized	QSFP	Yes	Tested at PF19
9846-A-05.0	Meritec	4x	5	24	Unequalized	QSFP	Yes	Tested at PF19
9846-A-06.0	Meritec	4x	6	24	Unequalized	QSFP	Yes	Tested at PF19
106410-1001	Molex	4x	1	NA	Active - Fiber	QSFP	Yes	Tested at PF19
106410-1300	Molex	4x	300	NA	Active - Fiber	QSFP	Yes	Tested at PF19
1111821206	Molex	4x	2	30	Unequalized	QSFP	Yes	Tested at PF20
1111822306	Molex	4x	3	28	Unequalized	QSFP	Yes	Tested at PF20
1111822406	Molex	4x	4	28	Unequalized	QSFP	Yes	Tested at PF20
QSFP-40G-001-01	Samtec	4x	1	NA	Active - Fiber	QSFP	Yes	Tested at PF20
QSFP-40G-010-01	Samtec	4x	10	NA	Active - Fiber	QSFP	Yes	Tested at PF20
QSFP-40G-020-01	Samtec	4x	20	NA	Active - Fiber	QSFP	Yes	Tested at PF20
QSFP-56G-030-02	Samtec	4x	30	NA	Active - Fiber	QSFP	Yes	Tested at PF20
QSFP-40G-050-01	Samtec	4x	50	NA	Active - Fiber	QSFP	Yes	Tested at PF20
QSFP-56G-100-02	Samtec	4x	100	NA	Active - Fiber	QSFP	Yes	Tested at PF20
QSFP30-00.5	Siemon	4x	0.5	30	Unequalized	QSFP	Yes	Tested at PF19
QSFP30-02	Siemon	4x	2	30	Unequalized	QSFP	Yes	Tested at PF19
QSFP28-03	Siemon	4x	3	28	Unequalized	QSFP	Yes	Tested at PF19
QSFP26-04	Siemon	4x	4	26	Unequalized	QSFP	Yes	Tested at PF19
QSFP24-05	Siemon	4x	5	24	Unequalized	QSFP	Yes	Tested at PF19
QSFP24-06	Siemon	4x	6	24	Unequalized	QSFP	Yes	Tested at PF19
2123603-2	TE Connectivity	4x	3	N/A	Active - Fiber	QSFP	Yes	Tested at PF20
2123287-4	TE Connectivity	4x	10	N/A	Active - Fiber	QSFP	Yes	Tested at PF20
1-2123287-1	TE Connectivity	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF20
VAHS-30-0221	Volex	12x	0.5	30	Unequalized	CXP	Yes	Tested at PF19
VAHS-30-0222	Volex	12x	2.5	30	Unequalized	CXP	Yes	Tested at PF19
VAHS-26-0199	Volex	12x	4	26	Unequalized	CXP	Yes	Tested at PF20
VAHS-30-0290	Volex	12x	3	30	Unequalized	Hybrid - CXP & QSFP	Yes	Tested at PF20
VAHS-28-0255	Volex	12x	4	28	Unequalized	Hybrid - CXP & QSFP	Yes	Tested at PF19
AIO-QSF-40G-010	Volex	4x	10	N/A	Active - Fiber	QSFP	Yes	Tested at PF19
AIO-QSF-40G-015	Volex	4x	15	N/A	Active - Fiber	QSFP	Yes	Tested at PF19
AIO-QSF-40G-100	Volex	4x	100	N/A	Active - Fiber	QSFP	Yes	Tested at PF19
VAHS-26-0202	Volex	4x	10	26	Limiting Active - Copper	QSFP	Yes	Tested at PF19
VAHS-25-0013	Volex	4x	11	25	Limiting Active - Copper	QSFP	Yes	Tested at PF20
VAHS-24-0226	Volex	4x	12	24	Limiting Active - Copper	QSFP	Yes	Tested at PF19
VAHS-32-0016	Volex	4x	0.5	32	Unequalized	QSFP	Yes	Tested at PF19
VAHS-30-0286	Volex	4x	0.5	30	Unequalized	QSFP	Yes	Tested at PF20
VAHS-32-0047	Volex	4x	1	32	Unequalized	QSFP	Yes	Tested at PF20
VAHS-30-0408	Volex	4x	1	30	Unequalized	QSFP	Yes	Tested at PF20
VAHS-32-0048	Volex	4x	2	32	Unequalized	QSFP	Yes	Tested at PF20

Device Logo

Cable Logos 4X

Device Logo

Cable Logos 12X

IBTA IL Logo Program

- The official logo is the identity for the InfiniBand Trade Association certification program.

- The official certified logos can be used on websites, advertising, marketing, and collateral material for those products that have been officially IBTA certified.

- If the logo is used on collateral material, it must also be used on the product itself or on product packaging.

- All products certified on the October 2011 IL List are eligible.

- IBTA Logo [Guidelines](#)

IBTA IL Logo Grants

Thank you