

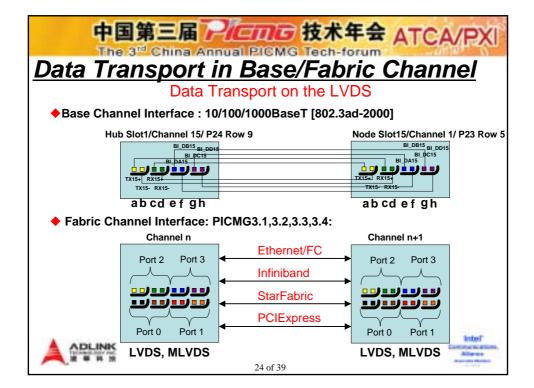
Channel	Function	Mode	Config	uration	Location		
Туре			Hub	Node	Hub	Node	
Telecom Clock	Telecom Clock Signal Transport		6 pairs	6 pairs	P20	P20	
Update Channel	HA Redundancy High Speed Data Transport	TBD	10 pairs	10 pairs	P20	P20	
Fabric Channel	High Speed Data Transport	PICMG 3.1/3.2/3.3/3.4	120 pairs	16/120pai rs	P20-P23	P20-P23	
Base Channel	Data Transport over dual Star 1000BaseT Ethernet	Ethernet 1000BaseT	64 pairs[4 pairs for ShMC]	8 pairs	P23-P24	P23	
IPMB	HA Redundancy Intelligent Platform Management Bus	12C	2 pairs	2 pairs	P10	P10	
Note: 1) Fabric Cha	nnel in node slots can be configured	l with Dual Star, Me	esh or Replicate	e Mesh Topol	ogy	Into	

中国第三届 PICING 技术年会 ATCA/PXI

The 3rd China Annual PICMG Tech-forum

nonart in aTCA

1 -



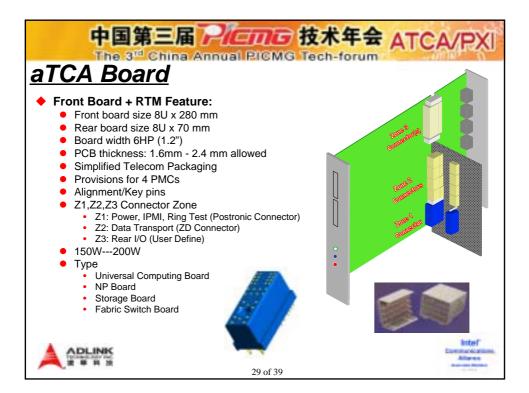
				Ethernet	/Fiber (	Channel	Over a	ТСА	
			Port 0	P	ort 1	Р	ort 2		Port 3
日期	표표표	Tx2+	Tx2-	Rx2+	Rx2-	Tx3+	Tx3-	Rx3+	Rx3-
n		Tx0+	Tx0-	Rx0+	Rx0-	Tx1+	Tx1-	Rx1+	Rx1-
ų.	₩₩₩	а	b	с	d	e	f	g	h
Option	Port0	Port1	Port2	Port3	Descrip	tion	•		Data Bit Rate
1	GbE				One 10	One 1000BASE-BX		1G/s	
2	GbE	GbE			Two 10	Two 1000BASE-BX		2G/s	
3	GbE	GbE	GbE	GbE	Four 10	Four 1000BASE-BX			4G/s
4	GbE			FC-PI	One 10	00BASE-BX /	One Fiber C	hannel	1G/s or 2G/s
5	GbE	GbE		FC-PI	Two 10	00BASE-BX /	One Fiber C	hannel	1G/s or 2G/s
6	GbE	GbE	FC-PI	FC-PI	Two 10	00BASE-BX /	/ Two Fiber C	hannel	2G/s or 4G/s
7				FC-PI	One Fib	er Channel			2G/s
8			FC-PI	FC-PI	Two Fib	er Channel			4G/s
	XAUI	XAUI	XAUI	XAUI	One 10	GBASE-BX4			10G/s

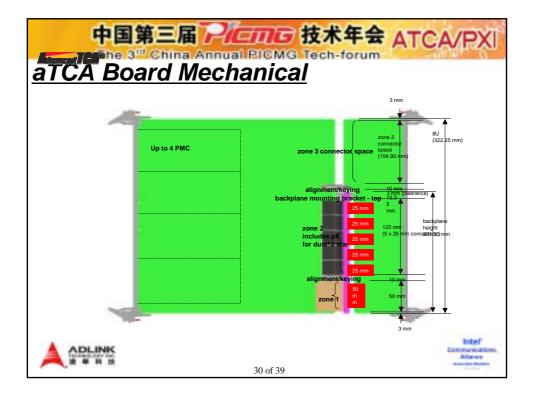
Г

		Infiniband Over aTCA Fabric Channel							
		F	Port 0	P	ort 1		Port 2	P	ort 3
		Tx2+	Tx2-	Rx2+	Rx2-	Tx3+	Tx3-	Rx3+	Rx3-
		Tx0+	Tx0-	Rx0+	Rx0-	Tx1+	Tx1-	Rx1+	Rx1-
		а	b	с	d	е	f	g	h
Dption	Interface	P	ort 0	Port 1	Port	2	Port 3	Base	Bit Rate
	Infiniband	Y	es	No	No		No	2.5Gb	/s
2	Infiniband	Y	es	Yes	No	No		5Gb/s	
3	Infiniband	Y	Yes		Yes	No	No	7.25Gb/s	b/s
Ļ	Infiniband	Y	es	Yes	Yes	_	Yes	10Gb/	's

			Star	Fabric	Ove	er aT(	CAF	abric Ch	nannel	
ļ.		Р	ort 0	P	ort 1			Port 2	Port	
, H		Tx2+	Tx2-	Rx2+	Rx	2-	Tx3+	Tx3-	Rx3+	Rx3-
		Tx0+	Tx0-	Rx0+	Rx	0-	Tx1+ Tx1-		Rx1+ Rx1	Rx1-
		а	b	с	d		е	f	g	h
ption	Interface	Port 0	Port 1	Port	2	Port 3	3	Base Bit Rate	Data	Bit Rate
	StarFabric	Yes	No	No		No		622Mb/s	450M	b/s
	StarFabric	Yes	Yes	No		No		1.25Gb/s	0.9Gb	o/s
	StarFabric	Yes	Yes	Yes		Yes		2.5Gb/s	1.8Gb	)/s

		PCI-Express Over aTCA Fabric Channel							
- <u>+</u> + + + + + + + + + + + + + + + + + +	표표		Port 0	P	ort 1		Port 2	F	Port 3
		Tx2+	· Tx2-	Rx2+	Rx2-	Tx3-	+ Tx3-	Rx3+	Rx3-
		Tx0+	· Tx0-	Rx0+	Rx0-	Tx1+	+ Tx1-	Rx1+	Rx1-
		a	b	с	d	e	f	g	h
Dption	Interface	_	Port 0	Port 1	Po	rt 2	Port 3	Maximu	Im Bit Rate
	PCI Expres	s	Yes	No	No	)	No	2.5Gb/s	;
2	PCI Expres	s	Yes	Yes	No	)	No	5Gb/s	
3	PCI Expres	s	Yes	Yes	Ye	S	Yes	10Gb/s	





中国第 The 3 <sup>rd</sup> aTCA Boal	China Annual Pl	G 技术年会	ATCA/PXI
Computing Board	Fabric Switching Board	Storage Board	NP Board
	31	of 39	Intel <sup>®</sup> Exercise de alterna, Alterna Manana de alterna

