inst-bpm - Task #9470

Find a replacement for the CT VX405/04x SBC

07/08/2015 02:28 PM - John Diamond

Status:	New	**Start date:**	07/08/2015
Priority:	Normal	**Due date:**	
Assignee:	John Diamond	**% Done:**	0%
Category:		**Estimated time:**	12.00 hours
Target version:		**Spent time:**	5.24 hours

Description

The VX405/04x is end-of-life. Find a SBC that we can use in it's place.
We would also like to investigate into developing BPM systems for PXIE and NML that are based on VXS/PCIe. Find an SBC and switch card (?) that could support this.

History

#1 - 07/14/2015 08:40 PM - John Diamond

E-mailed sales@gocct.com looking for more VX405/042 boards or modern boards that could support VITA 41.3.

#2 - 07/27/2015 02:09 PM - John Diamond

- File XV1_DS-0011-0003.pdf added

Charlie found this -

http://www.themis.com/products/blc/xv1 (PDF datasheet attached).

P0 GigE controller is the same as the CT board (Intel 82571EB). Contacted Themis for quote.

#3 - 07/27/2015 02:10 PM - John Diamond

- File XV1-hw_116704-022_v1-1.pdf added

Attaching Themis XV1 PDF manual that Charlie sent me in e-mail.

#4 - 07/29/2015 03:26 PM - John Diamond

In contact with Rollie Schmidt from Themis. Answered questions about our configuration requirements via e-mail. Waiting on a quote.

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Roland Schmidt
Sr. Director, Business Development & Sales

THEMIS_mail_sig

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#5 - 08/02/2015 06:53 PM - John Diamond

- File mvme8100-ds.pdf added

Talk to Rollie on Friday and he thought the Themis boards would cost $9K-10K per.
Charlie suggested looking into the MVME8100. I did an it and according to the datasheet (attached) it only supports RapidIO and PCIe.
Elma has the CTC VX405/04x SBC listed on their website (http://www.elma.com/en/products/systems-solutions/embedded-boards/product-pages/single-board-computers/6u-vme-and-vxs-intel-core-2-duo-sbc-vp407-vx407-detail/). Contacted sales@elma.com for a quote.

#6 - 08/03/2015 04:47 PM - John Diamond

Elma contact:

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#7 - 08/13/2015 01:53 PM - John Diamond

- File vp92xx1x_0813.pdf added

- File AC_VX6_200DS (2).pdf added

Elma and Themis both declined to quote their products as they thought it would be too difficult to source and test parts that support VITA 41.3. Peter says to pursue VITA 41.4 (PCIe) instead.

Contacted Michael Greeley at Concurrent (MGreeley@gocct.com) to quote me on this board - http://gocct.com/sheets/VP/vp92xx1x.htm (data sheet attached).

Turns out that board is also EOL (they can't get the TSI VME bridge chips) but they are more willing to sell me an MOQ of 10 at $5400/ea.

Mercury has a board that supports VITA 41.4 on their website (datasheet attached) but their quote form is broken. Contacted their support asking to forward my request.

Contacted Artesyn for a quote on the MVME8100 with VITA 41.4 (datasheet attached). This is a Freescale board and would require some work, possibly from AD/Controls to work in the controls system. Will discuss with Dennis today to get his thoughts.

Files

XV1_DS-0011-0003.pdf	580 KB	07/27/2015	John Diamond
XV1-hw_116704-022_v1-1.pdf	2.52 MB	07/27/2015	John Diamond
mvme8100-ds.pdf	1.47 MB	08/02/2015	John Diamond
vp92xx1x_0813.pdf	280 KB	08/13/2015	John Diamond
AC_VX6_200DS (2).pdf	725 KB	08/13/2015	John Diamond