adinstbpm - Task #18436

Milestone # 18435 (New): Support for GigE ADCs

x86 support for Technobox XMC GigE adapter

11/30/2017 09:36 AM - John Diamond

Status:	Work in progress	**Start date:**	11/30/2017
Priority:	Normal	**Due date:**	
Assignee:	John Diamond	**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:		**Spent time:**	0.50 hour

Description

Build drivers for the XMC ethernet adapter into the Linux kernel and configure the local network for 192.168.0.1.

History

#1 - 11/30/2017 09:41 AM - John Diamond

- File 7259_Manual.pdf added

The Tecnobox adapter is based on the Intel I210 ethernet chip. The manual for the adapter is attached.

Enabled 'Intel(R) 82575/82576 PCI-Express Gigabit Ethernet support' in the 3.16.7 kernel configuration.

Configured 'eth3' for the internal ADC network in /etc/network/interfaces:

```
auto eth3
iface eth3 inet static
address 192.168.0.1
netmask 255.255.255.0
network 192.168.0.0
```

Note: For the Concurrent boards it appears to be that eth0 is the front panel ethernet, eth1 and eth2 are the backplane VXS interfaces and eth3 is the Technobox adapter. This will probably be different for the 8100s.

Files

7259_Manual.pdf	2 MB	11/30/2017	John Diamond