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Introduction

It's Back! Due to the overwhelming popularity of last year's raffle for APEC



conference badges, we've decided to do it again. SMIF is conducting a raffle giveaway of a free Full Conference badge for the upcoming APEC 2018. The full registration pass, with a value of up to \$1175, will be awarded to one lucky entrant. The Full Registration allows you to attend all Technical Sessions, Seminars, the Social Event (and of course, the Exhibition Floor) and gives a discount for advanced purchase of the Conference Proceedings.

To sign up for a chance to win, just go to the home page of the PMBus website and register by answering a few easy questions regarding your PMBus activities. Time is short, though, as the drawing will be held in early January. Only one entry per person will be allowed,

and the winner will be contacted directly by SMIF.

New Website.

We are getting close to starting our new website development---emphasis on the development, not the actual launch. The board has received several proposals for a new home page design, and will soon make a decision for the theme. There is still time to send your suggestions. Members are encouraged to send their input to us at admin@smiforum.org.

SMBus Update.

The SMBus council is still on schedule to release version 3.1 of the SMBus specification by the time APEC 2018 arrives. It will implement the previously announced update to the ARP definition (Address Resolution Protocol) along with corrections for various typos and additional clarifications requested by users.

Anyone having concerns or comments should send a detailed email to the SMBus council at techquestions@smiforum.org.

Membership Updates

The PMBus consortium held steady at 43 'Full Members' plus one additional 'Tools Member'. We are in discussions with several potential new members, and also expect to add new recruits to our development ranks.

Please be advised that membership fees for the 2018 year are due by January. All invoices were sent electronically in October and payment terms are within 60 days.

Interested in joining PMBus? Get a detailed description of the System Management Interface Forum and membership benefits by clicking [PMBus Organization Overview](#). Or, just send an email to admin@smiforum.org to get immediate answers to specific questions.

New Product Announcements

Bellnix announced the BDG series 200W semi-custom ac-dc power supply with full digital control. Operating over a 85 to 264Vac input range, it offers up to three channels of different output voltages that can be selected in arbitrary combination. The PMBus communication function allows programming of the output voltage settings, overcurrent protection threshold, turn-on and turn-off sequences and switching frequency as well as monitoring of the power supply.

Delta Electronics introduced two new ac-dc power supplies designed for use in both medical and industrial applications – the 600W Convection Cooled U-channel MEU-600C24 and the 1200W 1U Enclosed MEB-1K2A24. Both product families come with universal input from 85Vac to 264Vac and wide operating temperature of -20°C to +70°C (with full power and no de-rating up to 50°C). In addition to PMBus v1.3 interface, other features include current sharing, conformal coating, both analog and digital voltage adjust, the ability to control the product's Remote On/Off and Power Good signal in both normal or reversed logic.

Flex Power Modules launched the BMR480 advanced bus converter that can handle 1000W of power and 96.2A of peak current.

The BMR480 operates from a wide 40V to 60V input voltage range and offers multiple tightly regulated (+/-2.5%) pre-programmed outputs at 10.4V, 12V and 12.5V, or factory configured at any voltage between 9V and 13.2V. Key features include dynamic load compensation and support for the latest version (v1.3) of the PMBus communication specification and the Ericsson Power Designer software tool.

If your company has new products that you would like to be included in our next newsletter, just send an email with the subject line “new product(s)” and the details to admin@smiforum.org. Then watch this space for updates.

Website Updates

There is now a total of 357 entries included by members on their dedicated *Products* pages. In addition to PMBus-compliant products, there is supporting material like evaluation kits, reference designs, article and videos. We encourage you to contact us when you are ready to include or update your company's product listings.

We know that even more products exist that are not yet shown. As of now only 23 of our 43 members are using their *Products* page to highlight offerings. We would like to include all offerings in order to fully demonstrate the scale of PMBus adoption. So, over the following months we will be making a concerted effort to reach out to all of the “non-users” to add their product listings.

You can click here to see an example of the new [TDK-Lambda Products](#) page. And, be

sure to utilize the “Featured Product”, option which includes graphics on your company’s page. Please send any request for changes to admin@simforum.org.

Promotional Activities

Where has the year gone? It’s less than three months now until the next APEC exposition. Thanks to the collaboration of many of our members, PMBus will be making a full slate of presentations in the technical sessions.



We were accepted for 6 paper presentations! This year’s subjects move past basic implementation and focus on various aspects of simplifying PMBus system development as well as its usefulness throughout the entire product life cycle. For those of you are presenting the papers, please reminded that all presenters must complete registration on the APEC website by January 7th.

Upcoming Events

APEC 2018. PMBus will exhibit in next year’s APEC Conference being held in San Antonio, Texas on March 4-8. Please be sure to visit us at booth #440. There will be 3 separate product demonstrations by Artesyn, Excelsys and Murata on the use of

application profiles in point-of-load modules. You can also pick up this year’s PMBus branded tchotchke to add to your collection from prior years.

FAQ

The newsletter’s *Frequently Asked Question* section includes two selected questions which have been received, along with the detailed answer.

Question: *How do I get my product certified as compliant to the PMBus specification?*

Answer: At this time, device manufacturers must self-certify that their devices are compliant to the PMBus specification.

Question: *Who controls the assignment of devices addresses for PMBus devices?*

Answer: There is no central authority that controls the addresses of PMBus devices. Manufacturers are free to use any of the non-reserved addresses for their devices. This places the responsibility for assuring that there are no address conflicts on the system engineer designing with PMBus devices.

Have a question about the PMBus or SMBus specifications? The System Management Forum provides free support. Send your question to techquestions@smiforum.org and a PMBus or SMBus consultant will respond.



Quarterly Newsletter

Fall 2017

Other Items

The PMBus logo is a registered trademark of SMIF. PMBus adopters who are SMIF members in good standing are allowed free, unlimited commercial use of the PMBus name and logo. Proper usage of the name and logo is important in order to retain our rights. Please encourage your company's marketing communications department to collaborate with SMIF whenever there are publications or questions.

Please remember to use the ® symbol when referencing PMBus and the ™ symbol with

AVSBus in data sheets, press releases or other written material. It does not have to be done for every occurrence, but should be included in any title or blurb and with the first usage in the main text for articles. The logo graphics for web postings and hi-res print can be downloaded from the [resources](#) section of the PMBus website.

Contacts:

Membership inquires: admin@smiforum.org

Tech help: techquestions@smiforum.org

General: questions@smiforum.org



Quarterly Newsletter

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