












Editorial contact info

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Issue	Editorial Features					Deadlines			
	See DETAILS for more information on article content					Editorial		Ads	
	Special Feature	Technology Feature	Application Feature	Product Guide	Tradeshows/ Promotions	Abstract due/First draft due	Editor's final draft due to layout	Ads close/ Ads due	
January E-letter	Unsolicited articles are welcome.						10/2/06 11/6/06	12/4/06	12/15/06
Spring Special: Mechanical considerations	Standards update: <ul style="list-style-type: none"> Application examples  PC/104, PC/104-Plus, PCI-104, EBX, EPIC, EPIC Express, XTX ETX, COM Express, and other PICMG standards Microsoft and Intel: UMPC and others Mezzanine modules Editor's forecast: the most promising small form factors	General-purpose I/O options: <ul style="list-style-type: none"> A/D, D/A, Serial, USB, 1394, Ethernet, others Plus: Desktop trends <ul style="list-style-type: none"> PCI Express  I/O including USB, 1394, DVI, Wi-Fi, others 	Harsh environment applications: <ul style="list-style-type: none"> Board, system, and application examples in harsh environments Designing for severe environments Mechanical and cooling Mil-Spec 	Rugged and Mil-Spec small form factor products	ESC Silicon Valley	11/2/06 12/7/06	1/4/07	1/30/07 2/15/07	
March E-letter	Unsolicited articles are welcome.						11/30/06 1/4/07	2/1/07	2/15/07
PC/104 and Small Form Factors Resource Guide Special: Resource Guide	Special Feature: FPGAs on PC/104 and other small form factors 	Annual Resource Guide Accepting Executive Speakouts on the theme topic or others Theme: Desktop trends shrink to small form factors Plus: Editorial focus on Test and Analysis, instrumentation		Categories: Audio/Video, Board level, Communications and I/O, Industrial automation, Packaging, Ruggedized and Mil-Spec, Processor boards/SBCs, Signal processing, Software and development, Test and Analysis	MEECC	12/28/06 2/1/06	3/1/07	2/17/07 3/1/07	
May E-letter	Unsolicited articles are welcome.						1/29/07 3/5/07	4/2/07	4/15/07
Summer Special: Graphics and video	SBCs: <ul style="list-style-type: none"> PC/104 form factors and the latest x86 processors SOM SBCs CPU roadmaps from AMD, Intel, VIA, others  Plus: News from Intel Developer's Forum (IDF)	 Graphics and video: <ul style="list-style-type: none"> Mezzanines, frame grabbers, graphics processors Compression, GUIs, and image processing Moving video around: Data connections Displays 	PC/104 2007 Design Contest Results <ul style="list-style-type: none"> Real-world application examples Case studies are being sought Plus: PC/104 Consortium Strategic Roadmap <ul style="list-style-type: none"> Vendor roadmaps  	SBCs: Embeddable nonbackplane SBCs Product Guide		2/27/07 4/3/07	5/1/07	5/1/07 5/15/07	
July E-letter	Unsolicited articles are welcome.						3/30/07 5/4/07	6/1/07	6/15/07
Fall Special: I/O products	PC/104 analog I/O controllers, interfaces, and applications: <ul style="list-style-type: none"> Sensor devices, including resolvers, encoders, serial, telemetry Output devices, including motors, lead screws, D/A, others 	Software: <ul style="list-style-type: none"> Windows, Win XP embedded, Win CE, DOS Linux RTOSs File systems, database S/W 	Industrial control applications Plus ... Low-power products: <ul style="list-style-type: none"> Latest CPUs, chipsets designed to conserve power DC-DC converters Embedded batteries 	Small Form Factor Selection Guide  Advertising opportunity with 1/9 page ads Partial list: Standardized AdvancedMC,  EPIC/EPIC Express, EBX, PC/104, PC/104-Plus, PCI-104, COM Express, CompactRIO, PMC/XMC,  Mini-ITX, Mini PCI, Nonstandardized 3.5/5.5", Bitsy, EnCore, Half-biscuit, Spider, ETX/ETX Express, XTX, Gumstix, DIMM-PC	ESC Boston GSPx	4/30/07 6/4/07	7/2/07	7/2/07 7/17/07	
September E-letter	Unsolicited articles are welcome.						5/30/07 7/5/07	8/1/07	8/15/07
November E-letter	Unsolicited articles are welcome.						7/2/07 8/2/07	9/4/07	10/15/07
Winter Special: Comms and networking	 Networking and communications: <ul style="list-style-type: none"> Boards, modules, carrier cards 	Mechanical considerations: <ul style="list-style-type: none"> SOM and COM Chassis Heat sinks, cooling Extended temperature boards and I/O Systems 	Small form factor mass storage products and control:  <ul style="list-style-type: none"> Solid-state flash and HDD Controllers, compression, data recorders 	Buyer's Guide: Accepting lead-in editorial for all categories (see Resource Guide)	Bus and Boards 2008	7/2/07 8/2/07	9/4/07	9/4/07 9/20/07	

Columns: PC/104 Embedded Consortium, PC/104 Fundamentals 101, European Technology, Editor's Insight
Departments: Industry News, Linux News, Book Reviews, Market Studies, Editor's Choice Products, New Products
Product guide lead-ins: Opportunities include product guide lead-in editorial
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Issue	Topic	Details
Spring <i>Special: Mechanical considerations</i>	Standards update: <ul style="list-style-type: none"> • Application examples • PC/104, PC/104-Plus, PCI-104, EBX, EPIC, EPIC Express, XTX • ETX, COM Express, and other PICMG standards • Microsoft and Intel: UMPC and others • Mezzanine modules Editor's forecast: the most promising small form factors	Contributed articles pertaining to designing with these form factors or Case Studies on these form factors in practice. Editors examine new desktop trends, including Microsoft's UMPC. How will they affect SFFs? Editorial forecast on the most promising SFFs. Which will survive, long-term?
	General-purpose I/O options: <ul style="list-style-type: none"> • A/D, D/A, Serial, USB, 1394, Ethernet, others Plus: Desktop trends <ul style="list-style-type: none"> • PCI Express • I/O including USB, 1394, DVI, Wi-Fi, others 	Articles will look at I/O options – the I/O standards themselves and how they are applied to small form factors.
	Harsh environment applications: <ul style="list-style-type: none"> • Board, system, and application examples in harsh environments • Designing for severe environments • Mechanical and cooling • Mil-Spec 	Contributed articles from vendors, users, and test facilities on ruggedization, cooling (passive and active) and chassis/enclosures.
	Rugged and Mil-Spec small form factor products	Product Guide will list the newest extended temperature boards and small systems, including boards that implement military specifications and I/O options.
PC/104 and Small Form Factor Resource Guide <i>Special: Resource Guide</i>	Special Feature: FPGAs on PC/104 and other small form factors	A look at how FPGAs are affecting PC/104 and other SFFs. We are interested in contributed articles on designing with FPGAs, development tools, and other system-level implications. Will also include short staff-written roadmaps of the major FPGA and programmable logic vendors. E-cast topic applies to the OSP E-cast "FPGAs and Reconfigurable Computing"
	Annual Resource Guide Accepting Executive Speakouts on the theme topic or others Theme: Desktop trends shrink to small form factors (contact cciufu@opensystems-publishing.com) Plus: Editorial focus on Test and Analysis, instrumentation	Interviews or contributed Guest Editorials on the influence of the desktop PC (and server products) on PC/104 and other SFFs. Plus: Special articles on building test systems, sensor and I/O boards, data recorders, and other instrumentation hardware and software products.
	Categories: Audio/Video, Board level, Communications and I/O, Industrial automation, Packaging, Ruggedized and Mil-Spec, Processor boards/SBCs, Signal processing, Software and development, Test and Analysis	These are advertising-based product profiles sold in full- and half-page formats.
Summer <i>Special: Graphics and video</i>	SBCs: <ul style="list-style-type: none"> • PC/104 form factors and the latest x86 processors • SOM SBCs • CPU roadmaps from AMD, Intel, VIA, others Plus: News from Intel Developer's Forum (IDF)	Articles will focus on SBCs, looking at the latest trends in processors, performance, cooling, and applications. Contributed case study articles are encouraged, as we're looking for "how to" information on these new SBCs and processors. Plus: We'll include staff-written material on Intel's latest announcements from IDF, and we'll temper that with roadmaps from AMD, Intel, VIA, and others.
	Graphics and video: <ul style="list-style-type: none"> • Mezzanines, frame grabbers, graphics processors • Compression, GUIs, and image processing • Moving video around: data connections • Displays 	How do SFF modules and PC/104 boards drive displays? Articles will focus on hardware implementations, software such as embedded GUIs, and image processing such as compression. Moving and displaying graphics data is equally important, so articles will look at interconnects like PCI and PCI Express. We'll also examine the latest in display technologies, ranging from LCD, OLED, and smaller purpose-built displays.
	PC/104 2007 Design Contest Results <ul style="list-style-type: none"> • Real-world application examples • Case studies are being sought. Contact cciufu@opensystems-publishing.com with proposals. Plus: PC/104 Consortium Strategic Roadmap <ul style="list-style-type: none"> • Vendor roadmaps 	The PC/104 Consortium will provide its annual Design Contest wrap-up article. Contributed articles on real-world PC/104 and other SFF implementations will be included. Editors will present the PC/104 Consortium's technology and standards roadmap.
	SBCs: Embeddable nonbackplane SBCs Product Guide	The latest PC/104 and SFF SBCs will be showcased in print, with a link to OSP's online comprehensive SBC product database. Vendors are encouraged to have their products entered/updated by 4/1/07.

Issue	Topic	Details
Fall Special: <i>I/O products</i>	PC/104 analog I/O controllers, interfaces, and applications: <ul style="list-style-type: none"> • Sensor devices, including resolvers, encoders, serial, telemetry • Output devices, including motors, lead screws, D/A, others 	<p>Articles here will focus on I/O – getting PC/104 and other SFFs to talk to the real world.</p> <p>Of special interest are any contributed articles pertaining to specialized interfaces, protocols, or sensors.</p>
	Software: <ul style="list-style-type: none"> • Windows, Win XP embedded, Win CE, DOS • Linux • RTOSs • File systems, database S/W 	<p>Staff- and contributed-written articles will look at operating systems for embedded boards, ranging from Microsoft's offerings, to Linux, to specialty kernels.</p> <p>We are seeking contributed articles that describe design techniques readers might apply.</p> <p>Also, as systems become more interconnected, message passing, file systems, and (distributed) database software methodologies will become more important. Editors will examine what's new in this area.</p>
	Industrial control applications Plus ... Low-power products: <ul style="list-style-type: none"> • Latest CPUs, chipsets designed to conserve power • DC-DC converters • Embedded batteries 	<p>PC/104 and SFFs are used extensively in industrial control applications to replace aging PLCs, ladder logic, DIN assemblies, and fragile desktop PCs.</p> <p>Contributed articles that address any deployment of SFFs in industrial control are welcome. In fact, the wackier the better.</p> <p>It's all about low power with this topic. What techniques can designers use to lower their power? How are multiple voltages fed to deeply embedded modules? And, when a power supply's not available, what kinds of batteries can be used?</p>
	Small Form Factor Selection Guide Advertising opportunity with 1/9 page ads Partial list: <i>Standardized</i> AdvancedMC, EBX, EPIC/EPIC Express, PC/104, PC/104-Plus, PCI-104, COM Express, CompactRIO, PMC/XMC, Mini-ITX, Mini PCI, <i>Nonstandardized</i> 3.5/5.5", Bitsy, EnCore, Half-biscuit, Spider, ETX/ETX Express, XTX, Gumstix, DIMM-PC	<p>We all know about PC/104, but what about the other small form factors?</p> <p>Here we look at some of them, and also include a special advertising section of 1/9 page spotlight ads sorted by form factor category.</p>
Winter Special: <i>Comms and networking</i>	Networking and communications: <ul style="list-style-type: none"> • Boards, modules, carrier cards 	<p>We'll look at the latest communications trends on PC/104 and other small form factor boards.</p> <p>Technologies of interest include Ethernet, switched serial fabrics such as PCI Express and RapidIO, and any specialty communications equipment such as telecom line cards.</p> <p>Of note: Will TCP/IP offload engines find their way into embedded modules?</p>
	Mechanical considerations: <ul style="list-style-type: none"> • SOM/COM • Chassis • Heat sinks, cooling • Extended temperature boards and I/O • Systems 	<p>This section will be "cool". Articles from vendors are needed to discuss design techniques – mechanical, electrical, and in software – for keeping PC/104 and other SFFs from melting due to component self-heating.</p> <p>Also, how are boards designed to withstand <i>more</i> than the typical commercial operating range? How can you design for a military or other rugged environments?</p>
	Small form factor mass storage products and control: <ul style="list-style-type: none"> • Solid-state flash and HDD • Controllers, compression, data recorders 	<p>Articles will focus on solid-state disks, embedded rotating media disks, and even some unconventional ways to store data (anyone remember bubble memories?).</p> <p>Compression, scrubbing, and security are important related topics that will be covered.</p>
	Buyer's Guide: Accepting lead-in editorial: Audio/Video, Board level, Communications, Fabrics, Industrial automation, Packaging, Processor boards, Ruggedized/Mil-Spec, Software and development, Test and Analysis	<p><i>PC/104 and Small Form Factors</i> closes 2007 with a special Buyer's Guide. This paid advertisement section includes free New Products listings (from OSP's online database) plus paid 1/9 page spotlight ads.</p>