



Lanner—Applied Computing Solutions

Lanner Electronics Inc. is the worldwide leader in network security hardware and applied computing solutions. Lanner’s engineers boast a wealth of experience to guarantee complete fluency, avoiding the problem of lags or dropped packets from minor inconsistencies. Lanner’s key industry partnerships allow us to provide the latest innovations in network security. With platforms specifically manufactured for tough and rugged environments, working with Lanner ensures that applications will stand the test of time.



Features ▶

- Advanced PC architecture
- Long lifespan
- Customizable specifications
- Leading-edge RISC technology
- Acceleration cards

Benefits ▶

- Mechanical design and hardware customization
- Fully automated in-house production
- Subcontractors in Taiwan and China
- Commitment to efficiency, quality, and excellence
- RoHS-compliant

Applications ▶

- Point-of-sale: track inventory effortlessly with Wi-Fi® to improve system management and overall efficiency
- Dynamic signs: GPS triggers advertisements for businesses in the immediate area
- Gaming/gambling machines: FPGA hardware from a range of vendors programmed to Japanese Amusement Machine Manufacturers' Association (JAMMA) specifications
- Network security appliance: firewall gateway, SSL/IPSec VPN appliance, anti-virus, and content filtering
- Network traffic-management appliance: networking traffic monitoring and management, caching, load balance, quality of service, wireless security/authentication, and AAA

Product Specifications ▶

Type	Part Number	Form Factor	Processor or Processor Support	# of Processors	I/O	Network (Mb/s)	Integrated Graphics	Memory	Storage Interface	Other
Applied computing platforms	EM-F550	Embedded system	AMD ULV NX 1250 or 1500	1	USB x4, COM, 5.1 audio, parallel	10/100/1,000 (RJ45)	VGA	200-pin SO-DIMM x1	CF/IDE/SATA	Fanless operation
	EM-S560	Embedded system	Intel® Pentium® M/ Celeron® M, socket 478	1	USB x4, COM x3, parallel, 5.1 audio	10/100 (RJ45)	VGA, DVI	184-pin DIMM x1	IDE x1	Gaming IO controller
	EM-9684	Mini-ITX	Support Intel® Core™ 2 Duo, socket 478	1	USB x6, PCOM x4, parallel, mini-PCI, PCI-E x16	10/100/1,000 (RJ45)	VGA, LVDS, SDVO, TV-out	240-pin DIMM x1	IDE/ SATA x2	Onboard amplifier
	EM-9642	Mini-ITX	Intel® Pentium® M/ Celeron® M, socket 478	1	USB x6, COM x3, PCI, floppy, 5.1 audio	10/100/1,000 (RJ45)	VGA, LVDS, DVI, TV-out	184-pin DIMM x1	IDE x2	NA
	EM-9640	Mini-ITX	AMD ULV NX 1250,1500,1750	1	USB x4, COM x4, parallel, 8-bit digital IO, PCI	10/100/1,000 (RJ45)	VGA, LVDS	200-pin SO-DIMM x1	IDE x1/ SATA x2	NA
	EM-9765	ITX	VIA C7 1.2 GHz	1	USB x6, COM x4, 8-bit digital IO, parallel, 5.1 audio	10/100/1,000 (RJ45)	VGA, LVDS, TV-out	240-pin DIMM x2	IDE x2/ SATA x2	NA
	EM-9360	3.5" EBC	VIA Mark 533 MHz/ 800 MHz	1	USB 1.1 x2, COM x4, 8-bit digital IO, PC/104, audio	10/100 (RJ45)	VGA, LVDS	144-pin SO DIMM x1	IDE x1	NA
	EM-354	3.5" EBC	ULV Celeron® 400 MHz/650 MHz	1	USB 1.1 x4, COM x4, parallel, PC/104, audio	10/100 (RJ45)	VGA, LVDS	200-pin SO-DIMM x1	IDE x1	NA
	IAC-F848	Full-size SBC	Supports LGA775 Intel® Pentium® 4, Pentium® D with 533 MHz/800 MHz/ 1,066 MHz FSB	1	USB x8, COM x4, parallel, 4-bit digital IO, mini-PCI	10/100/1,000 (RJ45)	VGA (optional DVA, LVDS, and TV-out)	240-pin DIMM x2	IDE x1/ SATA x4/ CF x1	NA
	IAC-H672	Half-size SBC	VIA Mark 533 MHz/800 MHz	1	USB 1.1 x4, COM x2, 8-bit digital IO, parallel, audio	10/100 (RJ45)	VGA	144-pin SO DIMM x1	IDE x1/ CF x1	DOC socket x1, supports msystem DickonChip 2000
Network appliance	FW-8890	2U rack-mount	Supports two Intel® dual core XEON® Sequence 5000/5100 Processors, LGA 771	2	USB x2/IPMI/Console, PCI-X/PCI-E	Supports up to 12 10/100/1,000 Mb/s ports VIA expansion module	NA	240-pin FB DIMM x8	SATA x4	Flash memory
	FW-8650	1U rack-mount	Supports Intel® Core™ 2 Duo E6000 and E4300, LGA 775	1	USB2.0 x2/console/ PCI x2/ PCI-E x2	10/100/1,000 Mbps x 6 (RJ45 x 6)	NA	240-pin DIMM x2	IDE x1, SATA x2, CF x1	NA
	FW-6440/6490	Desktop/ 1U rack-mount	VIA Eden/ C3 V4/ C7 V4	1	USB x2/console/ 4 ports FE switch	10/100 Mb/s x4 (RJ45 x4)	NA	240-pin DIMM x1	SATA x1, CF x1	NA
	FW-6430	Desktop	VIA Eden	1	USB2.0x1/console (RJ45)	10/100 Mb/s x4 (RJ45 x4)	NA	Onboard	CF x1	NA
	MR-960	2U rack-mount	Cavium OCTEON CN38XX Series, 600 MHz	1	USB x2/console	10 GBE ports (optional 8 SFP connectors)	NA	240-pin DIMM x2	SATA x3, CF x1	NA
	MR-950	2U rack-mount	RMI XLR 732/716/532/516 processor	1	USB x2/console	1 GBE with RJ45 connector x16	NA	240-pin DIMM x4	SATA x3, CF x1	NA
Accessories	Content inspection accelerators	Mini-PCI/PCI/ PCI-X	Lionic epavis	NA	Mini-PCI/PCI/PCI-X	30-1,600 Mb/s layer 7 content inspection acceleration	NA	NA	NA	NA
	VPN accelerator	Mini-PCI/PCI/ PCI-X	Cavium CN501, CN505, CN1005, CN1010, Safenet SafeXcel 1141	NA	Mini-PCI/PCI/PCI-X	IPSec ESP and AH • Encrypt/decrypt • Public key operations • Random number	NA	NA	NA	NA
	Expansion modules	PCI-X/PCI-E	NA	NA	2 and 4 Ethernet or SFP ports	Copper and fibre network expansion modules for network appliance	NA	NA	NA	NA