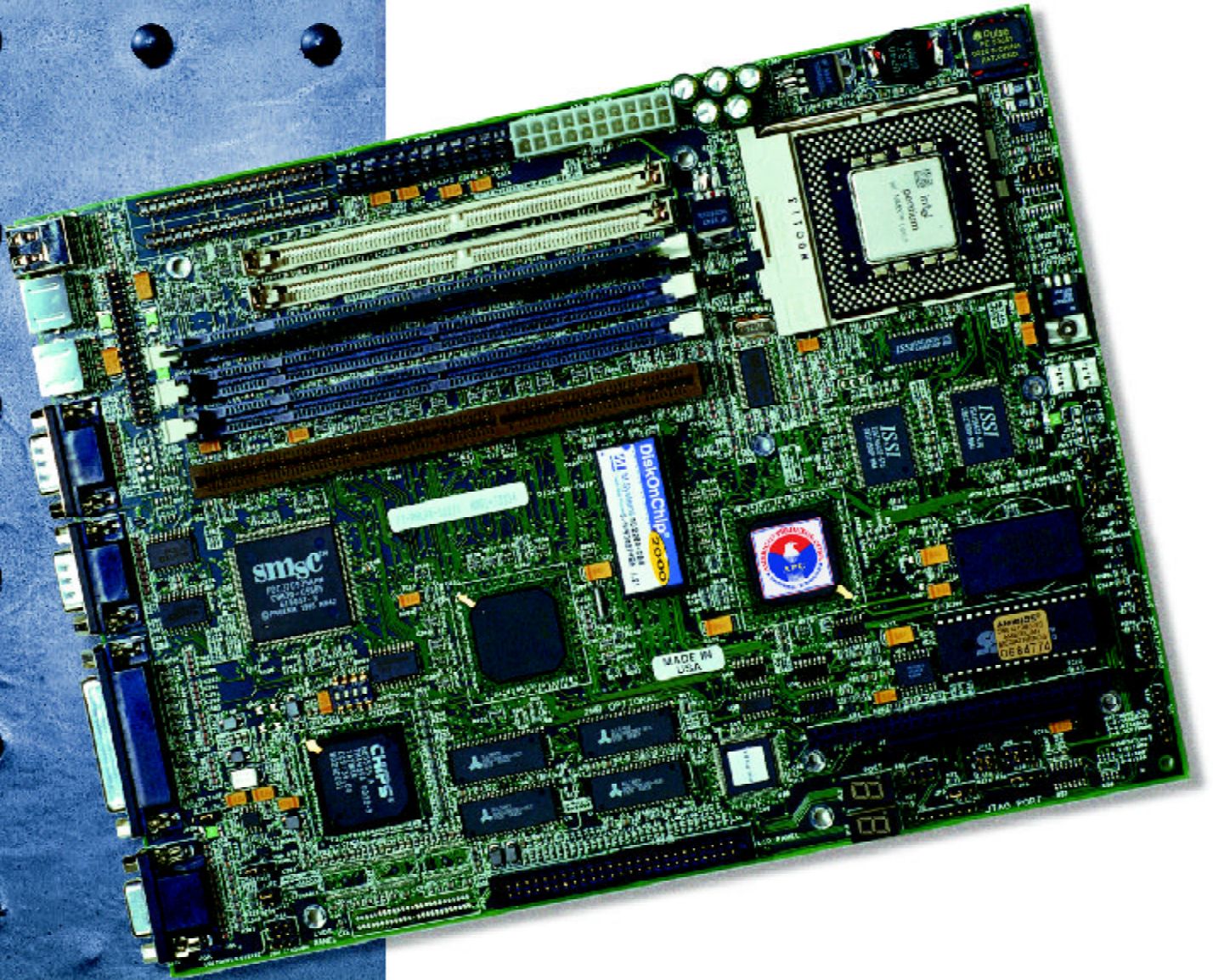


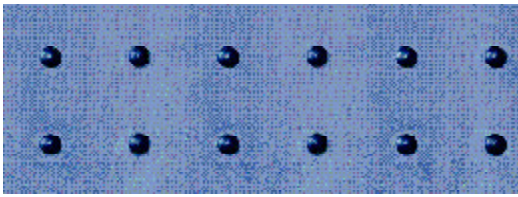
# Hunter LPX™

All-in-One Industrial Motherboard and SBC



- Embedded Controller
- Open Architecture
- Mission Critical
- Industrial Grade
- CPU Expandability
- Consistency





# Hunter LPX™

## All-in-One Industrial Motherboard and SBC

The **Hunter LPX™** is a high performance Pentium™ Processor based industrial motherboard. This APC design combines the technology of the Intel™ TX chipset in an LPX platform.

The Hunter LPX offers versatility with connectivity features, utilizing two USB ports and one PC104™ interface. It also has ULTRA-DMA capability, allowing high-speed data transfer. Another feature is an on-board CRT/LCD display controller that operates with up to 4MB of video memory. The on-board LCD interface has an option to enable LVDS video link. Lastly, it offers a solid-state Disk-on-Chip™ interface and a complete on-board I/O.

It supports on-board DIMM memory and standard DRAM modules up to 256MB. It also supports FPM, EDO, and SDRAM memory.

The Hunter LPX can be configured to accommodate all speeds up to 400 MHz. It can be used with any of the following specific microprocessors:

- Intel™ Pentium / MMX™
- AMD™ K5/K6™

The Hunter LPX features two major features for industrial applications. The first is an on-board 2 digit, seven-segment LED display for self-diagnostics and custom applications. The other is a watchdog timer, which is a CPU monitoring device for automatic system resetting in the event of a time-out.

American Predator products are specifically engineered to operate under diverse temperature ranges, dust, vibration and shock conditions. APC guarantees product longevity of five to eight years of production life cycle for all designs.



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### Technical Specifications

<b>Core Logic Chipset</b>	Intel™ 430TX™ chipset	
<b>Clock Speed</b>	50, 60 and 66MHz	
<b>Microprocessor</b>	Support full series of Intel™ Pentium™ MMX™ processors up to 400MHz Supports AMD™ K5/K6™ up to 400MHz On-board adjustable switching power supply for single split plane CPUs	
<b>On board I/O</b>	Two floppies up to 2.88MB supported Two RS-232 or one RS-485 (optional) serial ports with 16 bytes FIFO 16550 UART One parallel port (bi-directional, ECP/EPP compatible) PS/2 mouse and PS/2 keyboard connectors Dual-Channel PCI 32-bit EIDE controller PIO mode 4 and Bus Master IDE up to 14 MB/sec. ULTRA-DMA up to 33 MB/sec. supported LS 120 drive supported	
<b>Memory</b>	Two banks (2 sockets) of 72-pin SIMMs Accepts 4/8/16/32/64MB SIMMs, 60ns or faster Supports Fast Page Mode and EDO DRAM. Also, additional three DIMM sockets to support up to 256Mb SDRAM	
<b>Cache Memory</b>	512KB pipelined Burst SRAM L2 Cache	
<b>LCD Controller</b>	Asiliant/Chips & Technologies™ 65555 LCD/CRT controller 269000 (2MB Built-in Memory) or 69030 (4MB built-in memory) Optional Feature: LVDS video link	
<b>Disk-On-Chip(optional)</b>	On-board single-chip flash disk device in a standard 32-pin DIP socket Up to 288MB of capacity with high-speed boot-up capabilities. Flash File System included (FFS). Perfect HDD substitution for the harsh shock/vibration environment	
<b>On-Board Connectors</b>	PC104™ connector for stack-up expansion Dual ATX/AT power supply connectors	
<b>RTC/CMOS RAM</b>	114 bytes of extended AT CMOS RAM with RTC	
<b>BIOS</b>	AMI (FLASH BIOS optional)	
<b>System Bus</b>	ISA/PCI riser card (optional)	
<b>Industrial Devices</b>	On-board (150,600 and 1200ms) Hardware/Software watchdog timer VCC monitored above 4.75V On-board 2 digit seven-segment LED display for POST On-board self-diagnostic and/or custom display applications	
<b>Board Dimension</b>	LPX footprint (8.3" x 11.0"), six layers FR4 PCB construction	
<b>Environmental Specifications</b>	Temperature 0°C to +55°C - operating -40°C to +65°C - non-operating	Humidity 5% to 95% @ 40°C

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