



KEY FEATURES

- Complete AMC.0 IPMI compliant reference design with software
- 32-bit RISC processor
- Integrated 512K flash, WDT, A/D, dual I²C, dual SPI, etc.
- Payload communication via any of the interfaces (I²C, RS232 or SPI)
- No up-front costs
- No royalties
- GCC tool chain
- Used on all VadaTech AMC products
- Development kit available if needed (Reference VadaTech AMC000 product)

The VT026 is a reference schematic which provides a complete hardware and software solution that occupies only a 15mm x 15mm space on the AMC module and dissipates less than 0.13 watts. The CPU is an NXP 32-bit RISC processor (LPC2138, packaged in a 10mm x 10mm, 64 pin HVQFN) with integrated flash, dual I²C, dual SPI, dual RS-232, WDT, RTC, 10-bit A/D, etc.

The VT026 provides the quickest way to design for the AMC form factor without prior IPMI knowledge. The VT026 firmware is field upgradeable and configurable via the I²C bus.

In most cases the VT026 can provide all the necessary AMC IPMI functionality without modification. If support is required, VadaTech will provide support at minimal charge. For customers wanting to customize the binary, the VT026 development kit is all that is needed to add enhancements. The development tools are based on the GCC tool chain.

The VT026 is the most cost-effective solution in the market. The LPC2138's can be purchased from VadaTech pre-programmed.

An NDA is required to obtain the reference schematic.

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SPECIFICATIONS

Standard		
AMC	Type	AMC.0 IPMI specification
Configuration		
Power	VT026	< 0.13W
Environmental	Temperature	Operating Temperature: -40° to 85° C
		Storage Temperature: -40° to +125° C
Other		
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Key Software Features:

- ❖ IPMI Version 2.0
 - ◆ FRU Inventory Access and Update
 - ◆ Device SDR Repository Access and Update
 - ◆ Initialization Agent
 - ◆ Temperature Sensors
 - ◆ Settable / readable sensor Thresholds and Hysteresis
 - ◆ Sensor Event Generation
 - ◆ Basic Mode Serial Messaging (Payload Interface)
 - ◆ Warm Reset
 - ◆ Cold Reset
 - ◆ Get self Test Results
- ❖ AMC Version 2.0
 - ◆ IPMB-L Interface
 - ◆ Electronic Keying
 - ◆ Payload / FRU Control
 - ◆ LED Controls
 - ◆ Hot Swap Sensor
 - ◆ Hot swap Event Generation

ORDERING OPTIONS

VT026 - 000 - 000 - 000

Use the above part number if ordering generic, pre-programmed LPC2138 parts from VadaTech. If the firmware is customized, please contact Sales for the part number.

Note: The LPC2138 could be purchased from the NXP distributors.

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