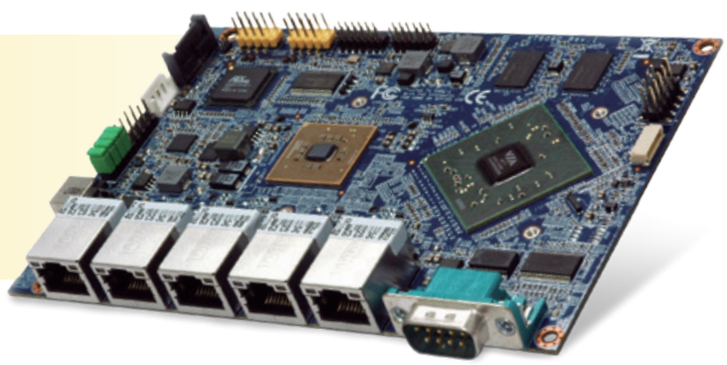
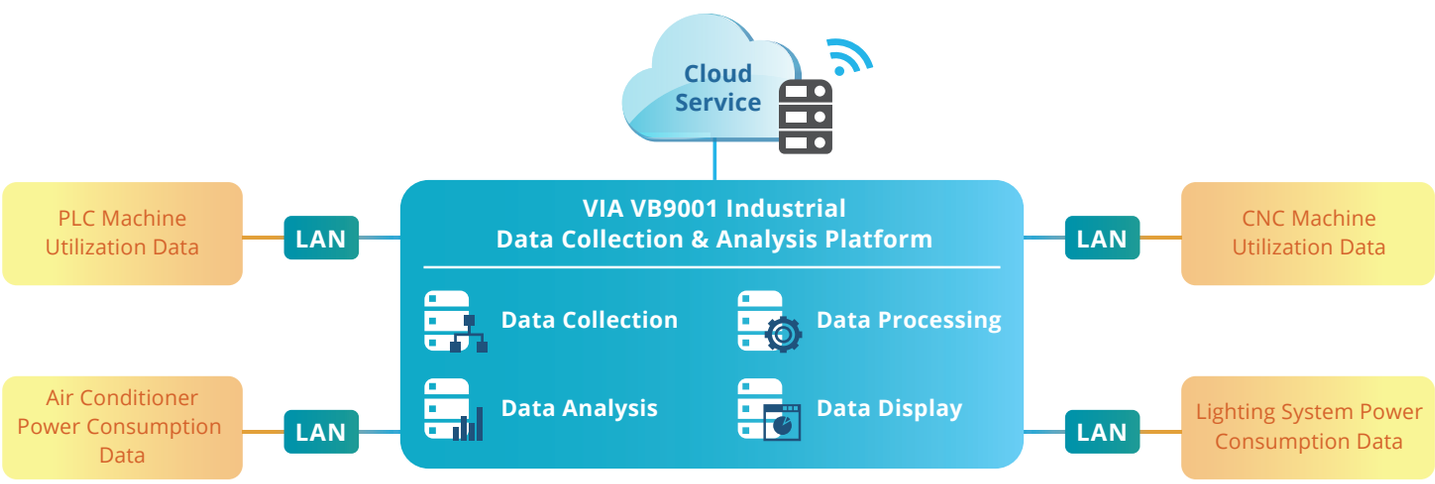
VIA VB9001

Industrial Data Collection & Analysis Platform for Edge Computing

Boost the efficiency of your factory operations with the VIA VB9001 Industrial Data Collection & Analysis Platform. With a raft of advanced connectivity features, including five Gigabit Ethernet ports, one COM port, and Digital I/O and USB support, this highly-dependable and flexible platform can be seamlessly integrated into any factory environment and configured to operate with a wide array of industrial machinery and equipment. Advanced compute performance, fanless operation, and flexible I/O and storage options make the real-time capture, processing, analysis, display, and sharing of critical utilization, production, and environmental data a snap anywhere from the warehouse to the factory floor. With the VB9001 you will reduce traffic to the cloud while keeping critical data at the local level.

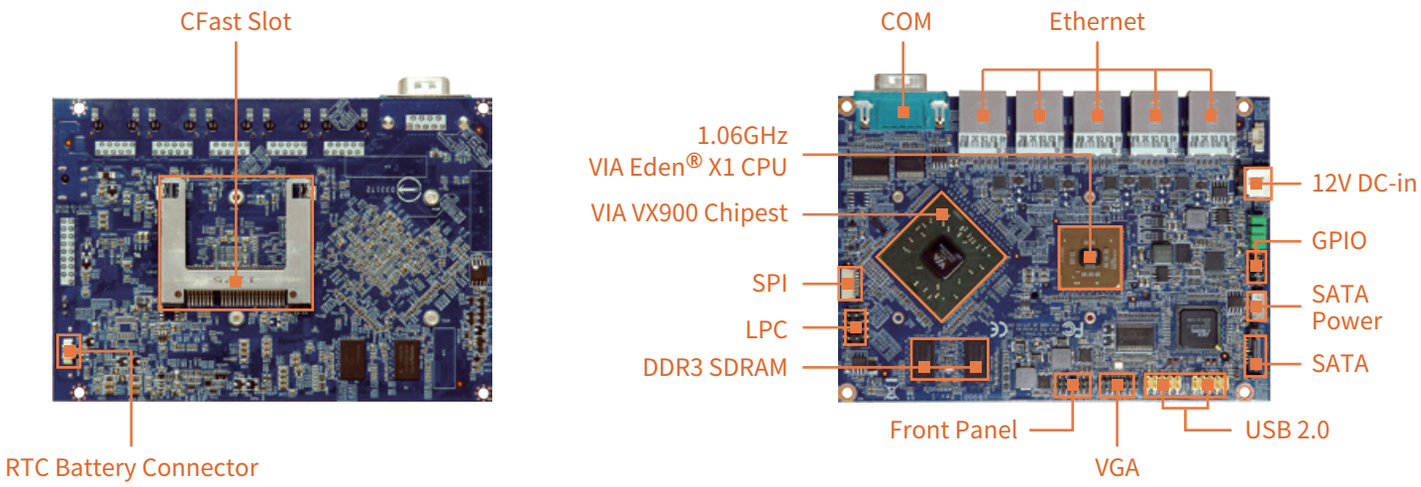
- Fanless 1.06 GHz VIA Eden® X1 processor
- Five Gigabit Ethernet ports
- One RS-232 COM port and DIO pin header
- Optional USB Wi-Fi + Bluetooth module
- Compatible with Windows® 7, Windows® CE 5.0 and QNX





embedded@via.com.tw
www.viatech.com

VIA VB9001 Board Placement



VIA VB9001 Specifications

Processor	1.06GHz VIA Eden® X1 (Fanless)
Chipset	VIA VX900 Media System Processor
BIOS	AMI Aptio UEFI BIOS, 8 Mbit Flash memory
System Memory	1GB DDR3 SDRAM onboard
Storage	1 SATA connector 1 CFast slot
Graphics	Integrated VIA C-9 HD DX9 3D/2D graphics with MPEG-2, WMV9, VC1 and H.264 video decoding acceleration
LAN	5 Realtek RTL 8111 G PCIe Gigabit Ethernet controllers
Onboard I/O	1 SATA connector 1 SATA power connector 2 USB 2.0 pin headers for 4 ports 1 VGA pin header 1 Digital I/O pin header (4 GPI + 4 GPO) 1 Fan pin header 1 Power LED
Back Panel I/O	1 COM port 5 Gigabit Ethernet ports 1 DC-in jack
Power Supply	12V DC-in
Operating System	Windows 7, Windows CE 5.0, QNX
VIA Smart ETK	BIOS flash tool, Hardware monitor, Watchdog timer, GPIO
Operating Temperature	0°C ~ 60°C
Operating Humidity	0% ~ 95% (non-condensing)
Form Factor	3.5" SBC (14.6cm x 10.2cm, 5.7" x 4")
Compliance	CE / FCC

embedded@via.com.tw
www.viatech.com