

PCI / ISA

PICMG 1.0 Solution Guide

Upgrade the brain to meet the needs



Ver. 27D

Portwell
Together in Electric Dream!

PICMG 1.0 SBC

ROBO-8777VG2A



FEATURES

- Wide-range LGA 755 processor selection enable SBC with adequate computing power and some extra function such as EM64T, XD
- Adopts Intel® Q965 chipset to secure life cycle of SBC
- Integrated Intel® GMA 3000 graphics engine that improved 3D multimedia capabilities including DirectX9, Shader Model 3.0, OpenGL 1.5, Advanced De-interlacing & MPEG-2 hardware acceleration
- Dual PCI Express x1 interface Gigabit Ethernet controller upgrade exist system connectivity

ROBO-8773VG



FEATURES

- Excellent cost/performance PICMG 1.0 single board computer that supports LGA775 processor with Gigabit Ethernet port
- Versatile I/O interface that includes dual IDE channels, dual SATA ports, single FDD channel, dual serial and single serial ports
- Single side design (no component on solder side) enhanced reliability of production and simplify its process at the same time
- Eight plug-and-play USB 2.0 ports allows enriched expansion of the system that build upon the board

ROBO-8771VG2



FEATURES

- On-board Ultra Low Voltage Intel® Celeron® M 600MHz with L2 cache processor with passive heat sink for mission critical & fanless applications
- Idea replacement in terms of lost
- Standalone workable single board computer
- Rich I/O connections such as IDE, Gigabit Ethernet, Serial, Parallel, FDD and USB ports

System Chassis



FEATURES

- Two 5.25" drive bays for CD-ROM or mobile rack, easy to install software and mirror disk (RAID 1)
- Two USB ports on the front panel
- One 12cm ball-bearing cooling fan for better ventilation
- One replaceable air filter for easy cleaning

ORDERING GUIDE

- **AREMO-8164-08P4-8777 (8773/8771)**
8-slot full-size industrial node chassis for PICMG 1.0 with 350W active PFC power supply, PBP-08P4 and ROBO-8777VG2A (8773VG/8771VG)



FEATURES

- One external 5.25" and two internal 3.5" HDD drive bays
- Two USB ports on the front panel
- One 12cm ball-bearing cooling fan for better ventilation
- One replaceable air filter for easy cleaning

ORDERING GUIDE

- **AREMO-6163-06P3-8777 (8773/8771)**
6-slot full-size industrial node chassis for PICMG 1.0 with 350W active PFC ATX power supply, PBP-06P3 and ROBO-8777VG2A (8773VG/8771VG)



FEATURES

- One slim CD-ROM and two hot-swap 3.5" HDD (SATA)
- Two USB ports on the front panel
- Two 7cm ball-bearing cooling fans for better ventilation
- One power On/Off switch with protection cap and one touch free reset for secure access

ORDERING GUIDE

- **AREMO-2173P-06V4-8777 (8773/8771)**
19" 2U rack-mount chassis for PICMG 1.0 with 350W active PFC power supply, PBP-06V4 and ROBO-8777VG2A (8773VG/8771VG)



FEATURES

- Dual 12cm ball-bearing cooling fans for better ventilation
- PS/2 or redundant power supply installable
- Equipped with fan control card to detect fan fail

ORDERING GUIDE

- **AREMO-4196-14A7-8777 (8773/8771)**
19" 4U rack-mount chassis for PICMG 1.0 version with active 420W ATX, PFC power supply, PBP-14A7 and ROBO-8777VG2A (8773VG/8771VG)

















FEATURES

- Two 5.25" and one internal 3.5" HDD drive bay for RAID 0, 1, 5 & CD-ROM
- Four USB ports on the front panel
- One power On/Off switch with LED indicators and one reset switch behind the lockable door
- Lockable front door with thumb lock for dust-proof and better security

ORDERING GUIDE

- **AREMO-4265-19AC-8777 (8773/8771)**
19" 4U industrial chassis for PICMG 1.0 with 460W active PFC ATX power supply, PBP-19AC and ROBO-8777VG2A (8773VG/8771VG)

PICMG 1.0 Selection Guide

| SHB | Backplane | AREMO-4265-D4601NP | AREMO-4196-D4201P | AREMO-2173P-D3501P | AREMO-8164-D3501P | AREMO-6163-D3501P |
|---------------------------------------------|------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| ROBO-8771VG ROBO-8773VG ROBO-8777VG2A | PBP-19P4 |  | | | | |
| | PBP-19AC |  | | | | |
| | PBP-14A7 | |  | | | |
| | PBP-14AC | |  | | | |
| | PBP-14AC-B | |  | | | |
| | PBP-14P4 | |  | | | |
| | PBP-13D4 | |  | | | |
| | PBP-13R4 | |  | | | |
| | PBP-08P3 | | | |  | |
| | PBP-08P4 | | | |  | |
| | PBP-08A7 | | | |  | |
| | PBP-06V4 | | |  | | |
| | PBP-06P3 | | | | |  |
| | PBP-06P4 | | | | |  |



Portwell, Inc. (Headquarters)

3F, No. 92, Sec. 1, Nei-Hu Rd.,
114 Taipei, Taiwan
Tel: +886-2-27992020
Fax: +886-2-27991010
E-mail: info@portwell.com.tw
<http://www.portwell.com.tw>

American Portwell

Tel: +1-510-403-3399 Fax: +1-510-403-3184
E-mail: info@portwell.com
<http://www.portwell.com>

Portwell Japan, Inc.

Tel: +81-3-5298-8071 Fax: +81-3-5298-8072
E-mail: info@portwell.co.jp
<http://www.portwell.co.jp>

Beijing Portwell

Tel: +86-10-82701616 Fax: +86-10-82700606
E-mail: info@portwell.com.cn
<http://www.portwell.com.cn>

Portwell (UK) Ltd.

Tel: +44(0)1202-813816 Fax: +44(0)1202-813817
E-mail: info@portwell.co.uk
<http://www.portwell.co.uk>

Portwell, B.V.

Tel: +31-252-620790 Fax: +31-252-621325
E-mail: info@portwell.nl
<http://www.portwell.nl>

Portwell-Laxsons India

Tel: +91-22-2685-9911 Fax: +91-22-2685-9922
E-mail: info@portwellaxsons.com
<http://www.portwellaxsons.com>