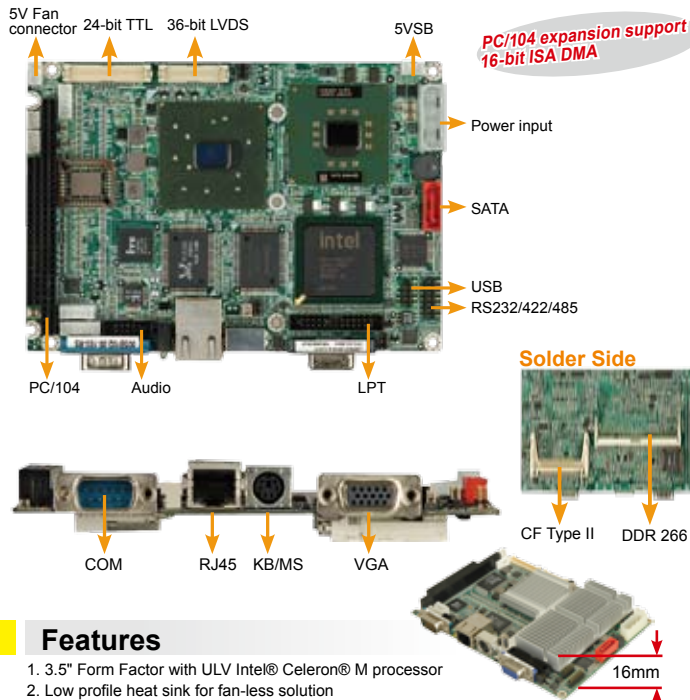


WAFER-8523

3.5" SBC with Intel® Celeron® M CPU with VGA/LVDS/
TTL, GbE, USB 2.0 and Audio



Features

- 3.5" Form Factor with ULV Intel® Celeron® M processor
- Low profile heat sink for fan-less solution
- Supports up to 1GB of 266/200MHz single channel DDR memory
- Support dual independent display for CRT LVDS, CRT+TTL
- PC/104 support for 16-bit ISA DMA
- Support 2x USB 2.0, 1x SATA, 1x CF
- Rear I/O location same as WAFER-9371A

Specifications

- CPU**
On-board ULV Intel® Celeron® M processor with 400ITE IT8718 MHz FSB
- System Chipset**
Intel® 852GM + ICH4
- BIOS**
AMI BIOS
- System Memory**
One 200-pin 200/266MHz DDR SDRAM SO-DIMM supported (system max. 1GB)
- Ethernet**
One Realtek RTL8110SC GbE chipset
- I/O Interface**
 - 1 x RS-232
 - 1 x RS-232/422/485
 - 2 x USB 2.0
 - 1 x SATA (JMICRON JM20330, IDE to SATA)
 - 1 x LPT
 - 1 x PS/2 for KB/MS
 - 1 x CF Type II
- Expansions**
PC/104 for 16 Bit ISA DMA support
- Infrared interface**
1 x Infrared by pin header
- Super I/O**
400ITE IT8718
- Display Interface**
VGA Integrated in Intel® 852GM
18-bit Dual channel LVDS
24-bit TTL LCD supported
- Audio**
Realtek ALC655 with AC'97 codec
- Watchdog Timer**
Software programmable supports 1 ~255 sec. System reset
- Power Supply**
5V only or 5V/12V, AT/ATX support
- Power consumption**
5V@2.93A (Intel® Celeron® M 1GHz/ without L2 Cache, 512MB DDR400)
5V@2.57A (Intel® Celeron® M 600MHz, 512MB DDR400)
- Temperature**
Operation: 0 ~ 60°C (32 ~ 140°F)
- Humidity**
operation: 5% ~95% non-condensing
- Dimensions**
146 mm x 102 mm
- Weight**
GW: 670g; NW: 240g

Packing List

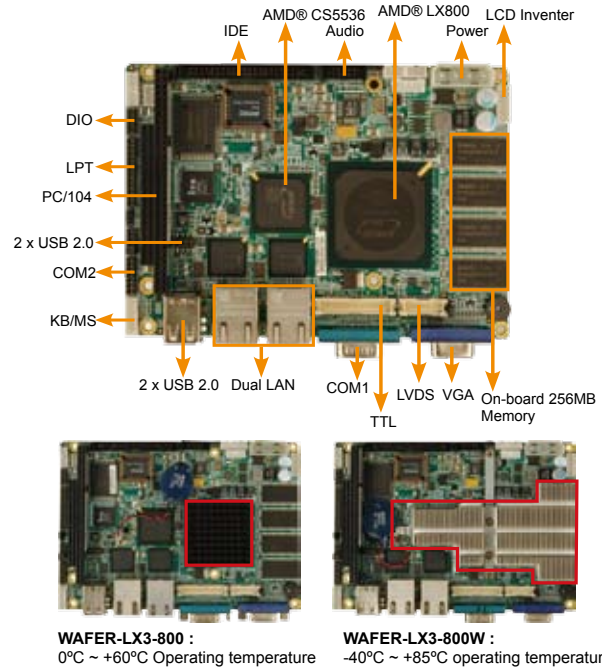
1 x WAFER-8523 Single board computer
1 x SATA cable (P/N: 32000-062800-RS)
1 x Audio cable (P/N: 32000-072100-RS)
1 x Mini Jumper Pack (P/N: 33100-000033-RS)
1 x KB/MS Y cable (P/N: 32000-000138-RS)
1 x USB cable (P/N: 32000-073400-RS)
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
WAFER-8523-600-R10	3.5" SBC with ULV Intel® Celeron® 600MHz 512K cache CPU with VGA/LVDS/TTL, GbE, USB 2.0, SATA and Audio
WAFER-8523-1GZ-R10	3.5" SBC with ULV Intel® Celeron® 1GHz zero cache CPU with VGA/LVDS/TTL, LAN, USB 2.0, SATA and Audio
32200-015100-RS	LPT Cable
32100-088600-RS	SATA Power cable
32200-026500-RS	RS-232/422/485 cable

WAFER-LX3-R20

3.5" SBC, AMD® Geode™ LX800 Processor with VGA/LVDS/
TTL, Dual LAN, USB 2.0, Audio and On-Board Memory



WAFER-LX3-800 :
0°C ~ +60°C Operating temperature

WAFER-LX3-800W :
-40°C ~ +85°C operating temperature

Features

- 3.5" Form Factor with AMD® Geode™ LX800 (500MHz) CPU
- On board memory support up to 512MB
- VGA, 24-bit TTL, 18-bit LVDS Display Interface
- 2 x RS-232 and 1 x RS-422/485
- Supports wide operating temperature

Specifications

- CPU**
On board AMD® Geode™ LX800(500MHz) processor
- System Chipset**
AMD® Geode™ LX800 + CS5536
- BIOS**
AMI BIOS
- System Memory**
On board Memory support up to 512MB
- Ethernet**
Dual 10/100 Mbps Intel® 82551ER controller
- I/O Interface**
 - 2 x RS-232
 - 1 x RS-422/485
 - 4 x USB 2.0
 - 1 x IDE
 - 1 x LPT
 - 1 x CF Type II
- Expansion**
PC/104 (ISA Bus)
- Digital I/O**
8-bit digital I/O, 4-bit input/ 4-bit output
- Infrared Interface**
N/A
- Super I/O**
SMSC 3114
- Display Interface**
VGA Integrated in AMD Geode™ LX800
24-bit TTL
18-bit single channel LVDS
- Audio**
AC'97 codec with Realtek ALC203
- Watchdog Timer**
Software programmable supports 1 ~255 sec. system reset
- Power Supply**
5V only, AT/ATX support
- Power Consumption**
5V@1.34A
(AMD® Geode™ LX800 (500MHz) CPU with 256MB on-board memory)
- Temperature**
0°C ~+60°C for WAFER-LX3-800
-40°C ~+85°C for WAFER-LX3-800W
- Humidity**
Operating: 5% ~95% non-condensing
- Dimensions**
146 mm x 102 mm
- Weight:** GW: 600 g; NW: 160 g

Packing List

1 x WAFER-LX3 Single board computer
1 x Mini Jumper Pack
1 x IDE flat cable 44p/44p (P/N: 32200-000009-RS)
1 x RS-232/422/485 cable (P/N: 32200-026500-RS)
1 x KB/MS Y cable (P/N: 32000-023800-RS)
1 x USB cable (P/N: 32000-070301-RS)
1 x Audio cable (P/N: 32000-072100-RS)
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
WAFER-LX3-800-256MB-R20	3.5" SBC with AMD® Geode™ LX800 Processor, VGA/LVDS/TTL, Dual LAN, USB 2.0, Audio, on-board 256MB memory
WAFER-LX3-800W-256MB-R20	3.5" SBC with AMD® Geode™ LX800 (500MHz) Processor, VGA/LVDS/TTL, Dual LAN, USB 2.0, Audio, on-board 256MB memory and wide operating temperature (-40°C~+85°C)
WAFER-LX3-800-512MB-R20	3.5" SBC with AMD® Geode™ LX800 Processor, VGA/LVDS/TTL, Dual LAN, USB 2.0, Audio, on-board 512MB memory
WAFER-LX3-800W-512MB-R20	3.5" SBC with AMD® Geode™ LX800 (500MHz) Processor, VGA/LVDS/TTL, Dual LAN, USB 2.0, Audio, on-board 512MB memory and wide operating temperature (-40°C~+85°C)
32200-015100-RS	LPT Cable

1
Industrial
Computing
Solutions

2
Embedded
Computing
Solutions

3
RISC-Based
Embedded
Solutions

4
Industrial
Data
Collector/
Server
Solutions

5
Video
Capture
Solutions

6
I/O
Communication
Solutions

7
Panel
Solutions

8
Power Supply/
Network
Communication/
Peripherals