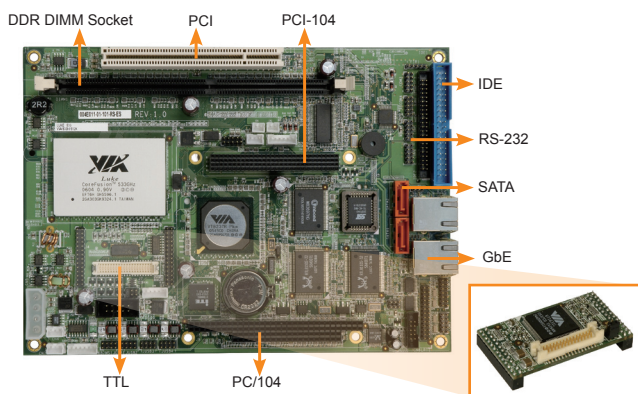
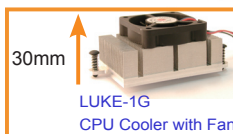
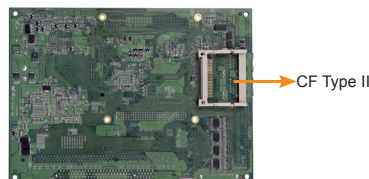


# NOVA-LUKE

5.25" SBC with VIA® LUKE 1GHz/533MHz CPU, VGA, Dual GbE, SATA, USB 2.0, CF Type II and Audio



### Solder Side



**ILUKE-LVDS**  
24-bit Dual Channel LVDS Module



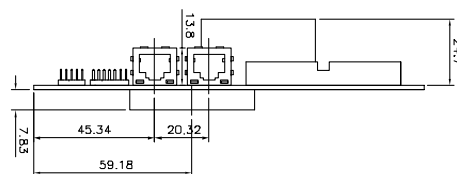
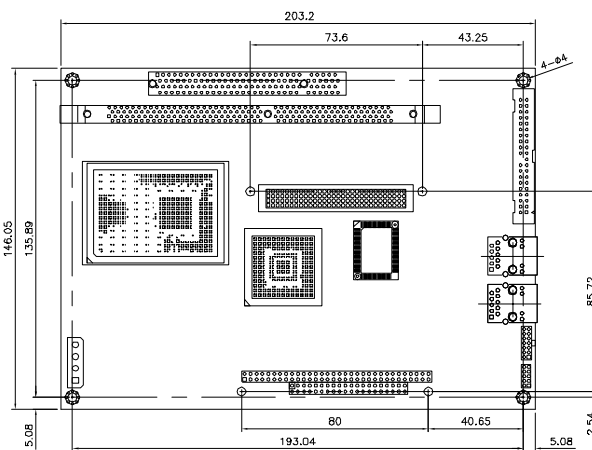
## Specifications

- ◆ **CPU**  
VIA® LUKE 1GHz/533MHz processor
- ◆ **System chipset**  
VIA® LUKE + VT8237R+
- ◆ **BIOS**  
AMI BIOS
- ◆ **System Memory**  
1 x 184-pin DDR 400/333MHz up to 1GB
- ◆ **Ethernet**  
Dual RTL8110S for GbE chipsets
- ◆ **I/O Interface**  
2 x SATA with RAID 0,1 and JBOD function support  
2 x IDE  
1 x LPT  
1 x PS/2 for KB/MS  
5 x RS-232  
1 x RS-232/422/485  
8 x USB 2.0  
1 x CF Type II
- ◆ **Expansions**  
1 x PC/104+ (PCI and ISA Bus)  
1 x PCI
- ◆ **Audio**  
Realtek ALC655 with AC'97 codec
- ◆ **Digital I/O**  
8-bit digital I/O, 4-bit input/ 4-bit output by super I/O
- ◆ **IrDA**  
1 x IrDA by super I/O
- ◆ **Super I/O**  
W83697HG
- ◆ **Display Interface**  
VGA integrated in VIA® LUKE  
36-bit TTL  
18-bit or 24-bit dual channel LVDS by ILUKE-LVDS (Optional)
- ◆ **Watchdog Timer**  
Software programmable supports 1-255 sec. by super I/O
- ◆ **Power Supply**  
AT/ATX support
- ◆ **Power Consumption**  
5V@4.74A, 12V@0.02A, 5VSB@0.07A  
(VIA® LUKE 1GHz, DDR 400MHz, 1GB SDRAM)  
5V@3.89A, +12V@0.02A, 5VSB@0.07A  
(VIA® LUKE 533MHz, DDR 400MHz, 1GB SDRAM)
- ◆ **Temperature**  
Operation: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ **Humidity**  
Operation: 5% ~ 95%, non-condensing
- ◆ **Dimensions**  
203mm x 146mm
- ◆ **Weight**  
GW: 1100g / NW: 500g

## Features

1. VIA® LUKE CPU supports 1GHz/533MHz processor
2. DDR 400/333MHz DIMM socket supports up to 1GB
3. Dual Realtek RTL8110S GbE chipsets
4. SATA with RAID function support, CF Type II, IDE, USB 2.0 and Audio

## Dimensions



## Packing List

1 x NOVA-LUKE Single Board Computer
1 x ATA66/100 Flat Cable (P/N: 32200-000052-RS)
2 x SATA Cable (P/N: 32000-062800-RS)
1 x SATA Power Cable (P/N: 32100-088600-RS)
3 x Single RS-232 Cable (P/N: 32200-000049-RS)
1 x RS-232/422/485 Cable (P/N: 32200-026500-RS)
1 x KB/MS Cable (P/N: 32000-023800-RS)
1 x VGA Cable (P/N: 32000-033800-RS)
1 x USB Cable (P/N: 32000-070300-RS)
1 x Audio Cable (P/N: 32000-072100-RS)
1 x Mini Jumper Pack
1 x Utility CD
1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
NOVA-LUKE-1G-R10	5.25" VIA® LUKE 1GHz Processor, VGA/TTL, Dual GbE, SATA and Audio
NOVA-LUKE-533-R10	5.25" VIA® LUKE 533MHz Processor, VGA/TTL, Dual GbE, SATA and Audio
ILUKE-LVDS-R10	LVDS Function Daughter Board
32100-052100-RS	ATX Power Cable
32200-015100-RS	LPT Cable