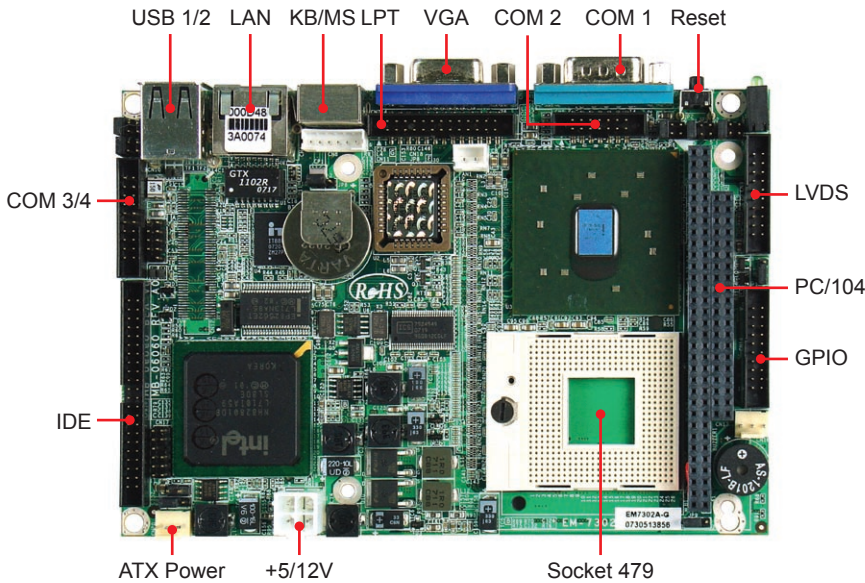


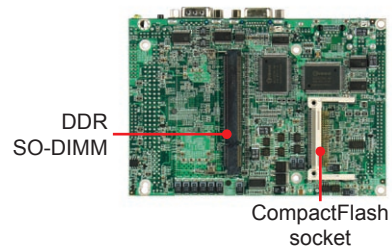
EM-7302

Intel® Pentium® M/ Celeron® M Embedded SBC with PC/104, LVDS, LAN, Audio & SSD



Features:

- Embedded onboard or socket Intel® ULV Celeron® M / LV Pentium® M processor
- Intel® 852GM+ICH4 Chipset
- One DDR SO-DIMM memory socket up to 1GB
- One 10/100Mbps Ethernet interface ; four serial ports, one parallel port
- Four USB 2.0 ports, one PC/104 slot
- One VGA connector, one LVDS connector
- One IDE connector and one CompactFlash™ type II socket



System	
CPU	Onboard or socket type Intel® ULV Celeron® M/ LV Pentium® M processor, FSB 400MHz
BIOS	Award® 512KB Flash BIOS
System Chipset	Intel® 852GM, ICH4
System Memory	1 x 200-pin DDR SO-DIMM socket supports 266MHz max. up to 1GB w/o ECC registered
Power Management	APM 1.2, ACPI supported
SSD	50-pin CompactFlash™ type II
Watchdog Timer	255 levels timer interval, (1 ~ 255 seconds), setup by software. Jumper set up for system reset or IRQ
Expansion Interface	1 x PC/104 connector
Battery	Lithium 3V/220MAH

I/O	
I/O Chipset	Winbond® 83627HG
I/O Interface	1 x EIDE (Ultra DMA 33/66/100), 1 x PS/2 KB/Mouse, 3 x RS-232, 1 x RS-232/422/485, 1 x parallel port
USB	4 x USB ports, USB 2.0 compliant
Audio	Supports ADI® AD1881A AC 97 codec (Min in & Speaker out)
GPIO	8-bit TTL input & 8-bit TTL output

Ethernet	
Chipset	Intel® 82562ET
Speed	10/100Mbps
Interface	1 x RJ-45
Standard	IEEE 802.3u (100Base-T) protocol compatible

Display	
Chipset	Built-in Intel® 852GM
Memory Size	1/4/8/16/32MB frame buffer sharing system memory
Resolution	CRT mode: 1920 x 1440 x 32bpp at 85Hz, 1600 x 1200 x 32bpp at 100Hz 350-MHz integrated 24-bit RAMDAC that can drive a standard progressive scan analog monitor with pixel resolution up to 1600 x 1200 at 85Hz & 2048 x 156 at 75Hz
LCD/ LVDS Interface	LVDS simultaneous mode: 1024 x 768 x 18bpp at 60Hz
Dual Simultaneous Display	CRT, LVDS

Mechanical and Environment	
Dimension (L x W)	145mm (L) x 102mm (W) (5.7" L x 4" W)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
Operating Humidity	10% ~ 95% relative humidity, non-condensing
Storage Temperature	-20°C ~ 85°C (-4°F ~ 185°F)
Storage Humidity	5% ~ 95% relative humidity, non-condensing

Power	
Power Supply Voltage	+5V & +12V power in, AT/ATX power control
Power Consumption	Intel® ULV Celeron® M 600MHz@256MB DDR266 Max (XP, Vpower): 12W, +5V@2.4A

Packing List	
•	1 x EM-7302 SBC
•	1 x CD (Manual, Quick installation guide, Utility driver)
•	1 x COM port cable (p/n:46L-ICOM02-00)
•	1 x COM port cable (p/n:46L-ICOM03-00)
•	1 x Printer cable (p/n:46L-ILPT01-00)
•	1 x 6+6 KB/MS cable (p/n : 46L-IPS266-00)
•	1 x 4&3P -> 20-pin power cable (p/n :46L-IPW402-00)

Ordering Information	
Standard	
EM-7302A	3.5" SBC with Intel® socket 479 LV Pentium® M, PC/104, LVDS, LAN , Audio, SSD
EM-7302B	3.5" SBC with onboard Intel® Celeron® M, 600MHz/512K cache, PC/104, LVDS, LAN, Audio, SSD
EM-7302C	3.5" SBC with onboard Intel® Celeron® M, 1GHz 0K cache, PC/104, LVDS, LAN, Audio, SSD (by order)
Optional	
AW-R031	Audio kit with Mic in & Speak out
46L-I00IDE-00	IDE cable (2mm) 45cm/ RoHS
46L-IPW404-00	4P -> big 4P AT power cable 15cm/RoHS
46L-IUSB03-00	USB cable 2 x 5 2mm/ RoHS
HS-1 Heatsink for onboard type CPU	
42L-HS0114-00	Heatsink 88*42.6*16.51mm w/ push*2/ RoHS
HS-2 Heatsink for socket type CPU	
39L-C36TRS-00	**type* M3*0.5*L5 (Ni)/ RoHS
42L-HS0109-00	Heatsink (35 x 35x 2.5mm) /RoHS
42L-HS0104-02	Heatsink (88 x 42.6 x 16.51mm) w/ push*2/ RoHS
PC/104 Stacker	
25L-040PC1-K9	25-0216-220-1G L20.7mm/ RoHS
25L-064PC1-K9	25-0216-232-1G L20.7mm/ RoHS
FAN	
39L-C114TRS-00	**type* 3*15 screws black/ RoHS
49L-P104010SN	Sunon DC FAN* 1cm cables length: 10cm 2pin;RoHS

* Note : All specifications are subject to change without prior notice

COM Express Module
ETX CPU Module
3.5 inch Embedded Board
5.25 inch Embedded Board
Industrial Motherboard
PC/104 CPU Module
Fanless Embedded Box Computer
Accessories