

Quick Guide

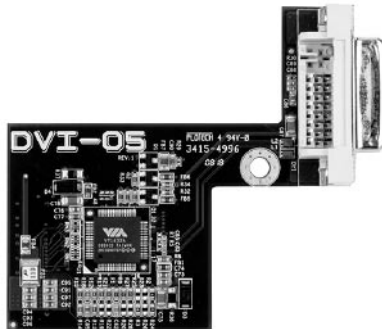
Accessory Category	Module	Description	Compatible Model
Display Module	DVI-05 NEW	Supports DVI monitor	EPIA-M700
	DVI-04	Supports DVI monitor	EPIA SN
	DVI-03	Supports DVI monitor	EPIA EK, EN
	DVI-01	Supports DVI monitor	EPIA PE, M
	LVDS-08	Supports 18-bit or 24-bit LCD panel display	EPIA NX, SN
	LVDS-07	Supports 18-bit or 24-bit LCD panel display	EPIA EK, EN
	LVDS-05	Supports 18-bit or 24-bit LCD panel display	EPIA PE, M
Power Board	PWB-M120	DC-DC power board: 12-19 V input/ 120 W output	EPIA Mini-ITX C7®/Luke Series, VB series
	PWB-N550	DC-DC power board: 12 V input/ 60 W output	EPIA PX, NX, NR
Expansion Module	EXT-PCI	One to two PCI riser card	EPIA Mini-ITX Series, VB7007, VB7001
	PCIE-01	One PCIe riser card	EPIA SN, VB8001, VB7002
	LPC-01	Expansion module for four RS232 ports (5 V or 12 V)	All EPIA boards with LPC pin header, VB8001, VB7002
	LPC-02	Expansion module for two RS232 ports and two RS232/422/485 ports (5 V or 12 V)	All EPIA boards with LPC pin header, VB8001, VB7002
	PUSB-01	Expansion module for four USB PlusPower connectors	All EPIA boards with USB pin header, segment series, VB series
WLAN Module	WLAN Mini PCI	Supports IEEE 802.11b/g	EPIA-N700, NX, NR, NAB7500, NAS7800- 15LST, VB8001, VB7002
	WLAN USB module	Supports IEEE 802.11b/g	All EPIA boards, segment series, VB series

* PX-O (I/O for EPIA PX), PX-T (TV for EPIA PX), PX-TC (TV-out and video capture) and MPC1-O1 (Mini PCI for EPIA NX, NR, SN) are ordered by request.

Display Module **NEW**

DVI-05

DVI Monitor Support



Features

- Supports DVI monitor
- Transmitter Chip: VIA VT1632A
- I/O interface: 1 x DVI connector
- Compatible Model: EPIA-M700
- Size: 72.8 mm x 69 mm

Ordering Information

Model	Description	Compatible Model
DVI-05	DVI monitor module	EPIA-M700

Packing List

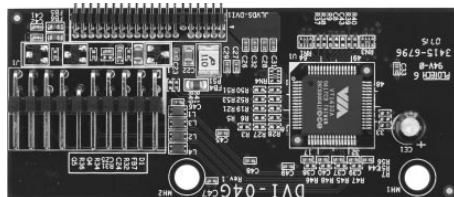
- 2 x Screws
- 1 x Bolt
- 1 x Washer

* This Product is only available for special projects. Please contact your regional sales representative for more details.

Display Module

DVI-04

DVI Monitor Support



Features

- Supports DVI monitor
- Transmitter chip: VIA VT1632A
- Compatible model: EPIA SN
- Size: 75 mm x 30 mm

Optional



Ordering Information

Model	Description	Compatible Model
DVI-04CG	40-pin	EPIA SN

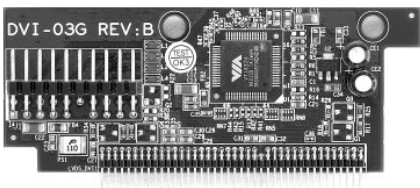
Packing List

- 1 x DVI-04 module
- 1 x DVI cable

Display Module

DVI-03

DVI Monitor Support



Features

- Supports DVI monitor
- Transmitter chip: VIA VT1632A
- Compatible model: EPIA EK, EN
- Size: 80 mm x 35 mm

Optional



DVI Cable



Metal Holder

Ordering Information

Module	Description	Compatible Model
DVI-03G-80	80-pin	EPIA EN
DVI-03CG-80	80-pin, with corresponding cable	EPIA EN
DVI-03G-60	60-pin	EPIA EK
DVI-03CG-60	60-pin, with corresponding cable	EPIA EK

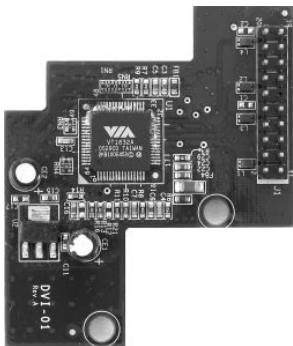
Packing List

- 1 x DVI-03 module
- 2 x Hexagonal bolt (for EPIA EN)
- 1 x DVI cable (for specific SKU)
- 2 x Screws
- 1 x Metal holder

Display Module

DVI-01

DVI Monitor Support



Features

- Supports DVI monitor
- Transmitter chip: VIA VT1632A
- Compatible model: EPIA PE, M
- Size: 58 mm x 48 mm

Optional



DVI Cable

Ordering Information

Model	Description	Compatible Model
DVI-01G	DVI monitor module	EPIA PE, M
DVI-01CG	With corresponding cable	EPIA PE, M

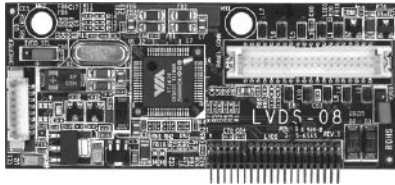
Packing List

- 1 x DVI-01 module
- 2 x Screws
- 2 x Washers
- 1 x DVI cable (for specific SKU)

Display Module

LVDS-08

LCD Panel Display Support



Features

- Supports 18-bit and 24-bit LCD panel display
- Transmitter chip: VIA VT1636
- Both single and dual channel support, with resolutions up to 1600 x 1200
- Compatible model: EPIA NX, SN
- Size: 75 mm x 30 mm

Ordering Information

Model	Description	Compatible Model
LVDS-08G	18/24-bit	EPIA NX, SN

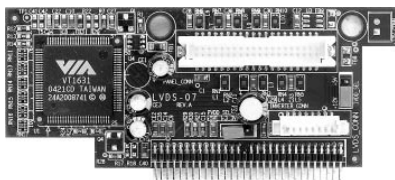
Packing List

- 1 x LVDS-08 module
- 2 x Screws

Display Module

LVDS-07

LCD Panel Display Support



Features

- Supports 18-bit or 24-bit LCD panel display, selectable by SKU
- Transmitter Chip: VIA VT1631L
- Both single and dual channel support, with resolutions up to 1600 x 1200
- Compatible model: EPIA EK, EN
- Size: 78 mm x 32 mm

Ordering Information

Model	Description	Compatible Model
LVDS-07G / 18-bit	18-bit	EPIA EK, EN
LVDS-07G / 24-bit	24-bit	EPIA EK, EN

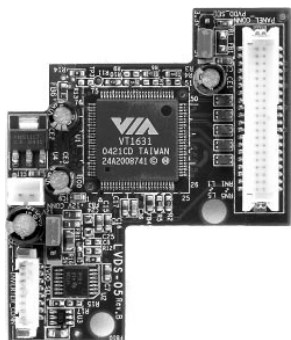
Packing List

- 1 x LVDS-07 module
- 2 x Screws

Display Module

LVDS-05

LCD Panel Display Support



Features

- Supports 18-bit or 24-bit LCD panel display
- Transmitter chip: VIA VT1631
- Single channel support, with resolutions up to 1024 x 768
- Compatible model: EPIA PE, M
- Size: 58 mm x 48 mm

Ordering Information

Model	Description	Compatible Model
LVDS-05G / 18-bit	18-bit	EPIA PE, M
LVDS-05G / 24-bit	24-bit	EPIA PE, M

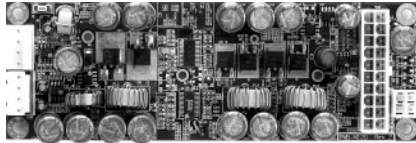
Packing List

1 x LVDS-05 module
2 x Screws
2 x Washers
1 x Power cable for panel

Power Board

PWB-M120

DC to DC Power Board



Features

- **Protection**
 - Output Voltage Protection (Over Voltage Protection) OVP
 - Output Current Protection (Output Short Protection)
 - Output Voltage Protection (Under Voltage Protection) UVP
- **Operating Temperature:** 0 ~ 50°C
- **Operating Humidity:** 0% ~ 95% (relative humidity; non-condensing)
- **Form Factor:**
 - 4-layer
 - 150 mm x 51 mm
- **Compatible Model:** EPIA Mini-ITX C7*/Luke Series, VB series
- **DC Input**

Input	Minimum	Nominal	Maximum
Voltage	11.4 V~18.5 V	12 V~19 V	12.6 V~19.95 V
Current		6.84 A~10.83 A	

- **DC Output Voltage**

Output	Minimum	Nominal	Maximum	Maximum Combined Power
+5 V_SB	4.75 V	5 V	5.25 V	122.2 W
+3.3 V	3.14 V	3.3 V	3.47 V	
+5 V	4.75 V	5 V	5.25 V	
+12 V	11.4 V	12 V	12.6 V	
Power Good	4.75 V	5 V	5.25 V	

- **DC Output Current**

+5 V_SB	+3.3 V	+5 V	+12 V	-12 V	Power Good	Maximum Combined Power
2 A	6 A	6 A	5 A	200 mA	0.1 A	122.2 W

Ordering Information

Model	Description	Compatible Model
PWB-M120G	DC-to-DC power board for Mini-ITX	EPIA Mini-ITX C7*/ Luke series, VB series

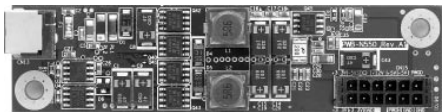
Packing List

1 x PWB-M120 power board
1 x DC-in module
1 x DC input power cable
1 x 20-pin power cable with IDE/FDD connectors

Power Board

PWB-N550

DC to DC Power Board



Features

- **Protection**
Input Voltage Protection (Over Voltage Protection)
Output Voltage Protection (Over Voltage Protection) OVP
Output Current Protection (Output Short Protection)
Output Voltage Protection (Under Voltage Protection) UVP
- **Operating Temperature:** 0~50°C
- **Operating Humidity:** 0% ~ 95% (relative humidity; non-condensing)
- **Form Factor:**
4-layer
100 mm x 25 mm
- **Compatible Model:** EPIA PX, NX, NR
- **DC Input**

Input	Minimum	Nominal	Maximum
Voltage	11.4 V	12 V	12.6 V
Current		5 A	

- **DC Output Voltage**

Output	Minimum	Nominal	Maximum	Maximum Combined Power
+5 V_SB	4.75 V	5 V	5.25 V	61.2 W
+3.3 V	3.14 V	3.3 V	3.47 V	
+5 V	4.75 V	5 V	5.25 V	
+12 V	11.4 V	12 V	12.6 V	
Power Good	4.75 V	5 V	5.25 V	

- **DC Output Current**

+5 V_SB	+3.3 V	+5 V	+12 V	Power Good	Maximum Combined Power
0.8 A	4 A	4 A	2 A	-	61.2 W

Ordering Information

Model	Description	Compatible Model
PWB-N550G	DC-to-DC power board for Nano-ITX	EPIA NX, NR
PWB-N550PG	DC-to-DC power board for Pico-ITX	EPIA PX

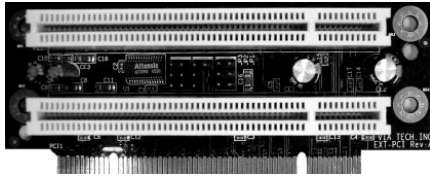
Packing List

- 1 x PWB-N550 power board
- 1 x 12-pin power cable with IDE/FDD connectors for Nano-ITX
(or 1 x 12-pin power cable for Pico-ITX)

Expansion Module

EXT-PCI

One to Two PCI Riser Card



Features

- Supports one to two PCI riser card
- Compatible model: EPIA Mini-ITX series, VB7007, VB7001
- Size: 112 mm x 46 mm

Ordering Information

Model	Description	Compatible Model
EXT-PCIG	Supports two PCI slots	EPIA Mini-ITX series, VB7007, VB7001

Packing List

1 x EXT-PCI module

Expansion Module

PCIE-01

One PCIe Riser Card



Features

- PCIe riser card to support one 16-lane PCIe slot
- Compatible model: EPIA SN, VB8001, VB7002
- Size: 120 mm x 82 mm

Ordering Information

Model	Description	Compatible Model
PCIE-01	PCIe x 16 horizontal converter	EPIA SN, VB8001, VB7002

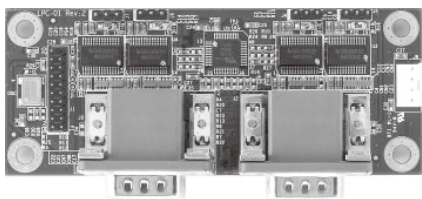
Packing List

1 x PCIE-01 module

Expansion Module

LPC-01

Expansion Module for Four RS232 Ports
(5 V or 12 V)



Features

- Expansion module for four COM ports (5 V or 12 V)
- Compatible model: All EPIA boards with LPC pin header, VB8001, VB7002
- Size: 100 mm x 40 mm

Optional



Ordering Information

Model	Description	Compatible Model
LPC-01G	Supports four RS232 COM ports	All EPIA boards with LPC pin header, VB8001, VB7002
LPC-01CG	With corresponding cable	All EPIA boards with LPC pin header, VB8001, VB7002

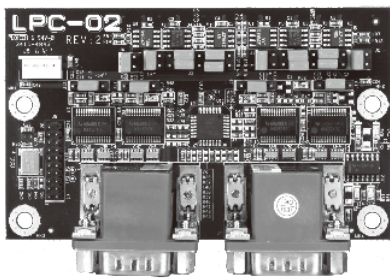
Packing List

- | |
|----------------------------------|
| 1 x LPC-01 module |
| 1 x LPC cable (For specific SKU) |

Expansion Module

LPC-02

Expansion Module for Two RS232 Ports and Two RS232/422/485 Ports (5 V or 12 V)



Features

- Expansion module for four COM ports (5 V or 12 V)
- COM1 & COM2 are selectable for RS232/422/485, and COM3 & COM4 are dedicated for RS232
- Compatible model: All EPIA boards with LPC pin header, VB8001, VB7002
- Size: 100 mm x 60 mm

Ordering Information

Model	Description	Compatible Model
LPC-02G	Supports RS232/RS422/RS485 COM ports	All EPIA boards with LPC pin header, VB8001, VB7002
LPC-02CG	With corresponding cable	All EPIA boards with LPC pin header, VB8001, VB7002

Packing List

- | |
|----------------------------------|
| 1 x LPC-02 module |
| 1 x LPC cable (for specific SKU) |

Expansion Module

PUSB-01

Expansion Module for Four USB PlusPower Connectors



Features

- Output: Four USB PlusPower connectors with 5 V power supply
- Input: Two USB 2.0 pin headers with 2.54 mm pitch
- Supports Over Current Protection (OCP)
- Compatible model: All EPIA boards with USB pin header, segment series, VB series
- Size: 95 mm x 40 mm

Ordering Information

Model	Description	Compatible Model
PUSB-01C3G	Supports four USB PlusPower connectors (5 V)	All EPIA boards with USB pin header, segment series, VB series

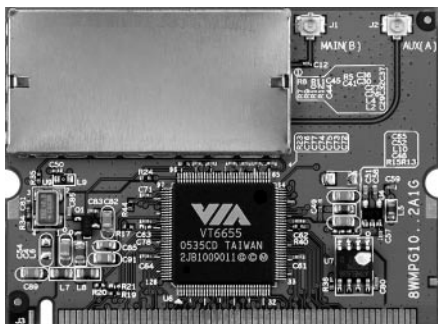
Packing List

1 x PUSB-01 module
1 x USB cable with 2.54 mm pitch connector
1 x USB cable with 2.0 mm pitch connector

WLAN Module

WLAN Mini PCI

IEEE 802.11 b/g Standards



- Features**
- Supports 802.11 b/g standards
 - WLAN controller: VT6655
 - Compatible model: EPIA-N700, NX, NR, NAB7500, NAS7800-15LST, VB8001, VB7002
 - Size: 60 mm x 45 mm

Ordering Information

Model	Description	Compatible Model
VT6655GMA00	Type IIIB connector	EPIA-N700, NX, NR, NAB7500, NAS7800-15LST, VB8001, VB7002

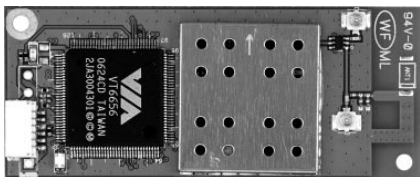
Packing List

1 x WLAN Mini PCI module

WLAN Module

WLAN USB Module

IEEE 802.11 b/g Standards



- Features**
- Supports 802.11 b/g standards
 - WLAN controller: VT6656
 - Compatible model: All EPIA boards, segment series, VB series
 - Size: 25 mm x 60 mm

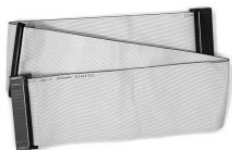
Ordering Information

Model	Description	Compatible Model
VNT6656G6A40	5 V, SMT connector 1.0 mm pitch	All EPIA boards, segment series, VB series

Packing List

1 x WLAN USB module

Appendix- Items in packing list



ATA-66/100/133 IDE Ribbon Cable

- Compatible model:
EPIA PX, NX, NR, M700,
SN, EX, EK, EN, CN, LT,
LN, PE, M, ML, VB8001,
VB7007, VB7002, VB7001



Power Cable

- Compatible model:
EPIA NX, NR



VGA Cable

- Compatible model:
EPIA P710, NX



USB Cable

- Compatible model:
EPIA N700, NX, NR



USB Cable

- Compatible model:
EPIA N700, NX, NR



PS2 Cable

- Compatible model:
EPIA-P710, NX



SATA Cable

- Compatible model: P700,
N700, M700, VB8001, VB7002



Two-port USB 2.0 and two- port 1394 Combo Cable

- Compatible model: EPIA M



Driver Utility CD