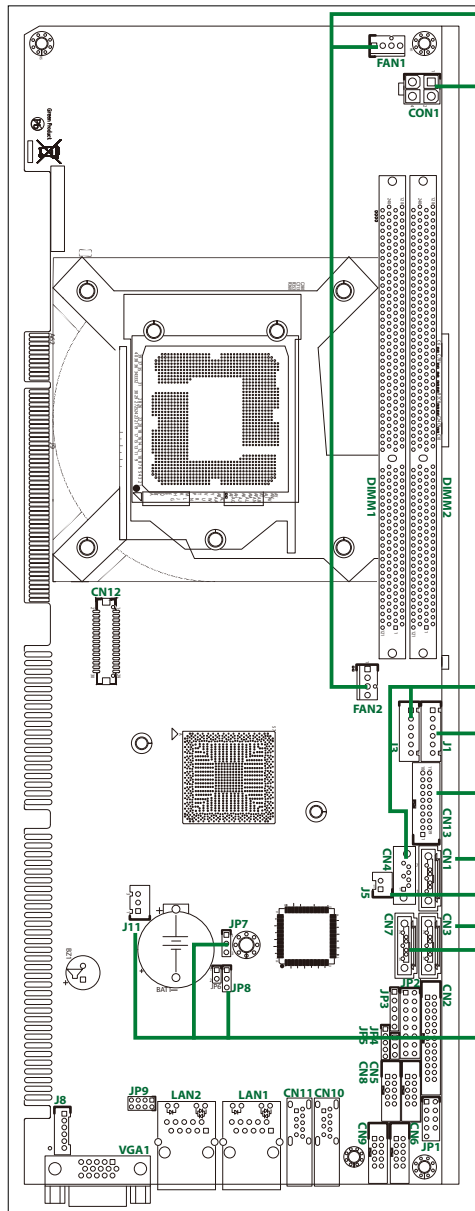


# PEAK 779 VL2 Quick Reference Guide

Ver A. (PN: 60177A0385X00)



**FAN1, FAN2: Smart FAN Connector**

|  | Pin | Signal        | Pin | Signal        |
|--|-----|---------------|-----|---------------|
|  | 1   | GND           | 2   | +12V          |
|  | 3   | S1_SYSFAN_TAC | 4   | S1_SYSFAN_CTL |
|  |     |               |     |               |

**J1, J3: USB 2.0 Port**

|  | Pin | Signal   | Pin | Signal |
|--|-----|----------|-----|--------|
|  | 1   | VCC(+5V) | 2   | USB-   |
|  | 3   | USB+     | 4   | USB-   |
|  | 5   | USB+     | 6   | GND    |

**CN4: SATA 3 Port Connector**

|  | Pin | Description | Pin | Description |
|--|-----|-------------|-----|-------------|
|  | 1   | GND         | 2   | TXP         |
|  | 4   | GND         | 3   | TXN         |
|  | 7   | GND         | 5   | RXN         |
|  |     |             | 6   | RXP         |

**CN1, CN3, CN7: SATA 2 Port Connector**

|  | Pin | Description | Pin | Description |
|--|-----|-------------|-----|-------------|
|  | 1   | GND         | 2   | TXP         |
|  | 4   | GND         | 3   | TXN         |
|  | 7   | GND         | 5   | RXN         |
|  |     |             | 6   | RXP         |

**J11: STAND BY POWER Connector**

|  | Pin | Signal   | Pin | Signal |
|--|-----|----------|-----|--------|
|  | 1   | 5VSB_CB  | 2   | GND    |
|  | 3   | ATX_PSON |     |        |

**CON1: +12V Power Connector**

|  | Pin | Signal | Pin | Signal |
|--|-----|--------|-----|--------|
|  | 1   | GND    | 2   | GND    |
|  | 3   | +12V   | 4   | +12V   |
|  |     |        |     |        |

**CN13: USB 3.0 Port**

|  | Pin | Signal       | Pin | Signal       |
|--|-----|--------------|-----|--------------|
|  | 1   | P5V_OC01_C   | 20  | NA           |
|  | 2   | USB3_RX1_N_C | 19  | P5V_OC01_C   |
|  | 3   | USB3_RX1_P_C | 18  | USB3_RX2_N_C |
|  | 4   | GND          | 17  | USB3_RX2_P_C |
|  | 5   | USB3_TX1_N_C | 16  | GND          |
|  | 6   | USB3_TX1_P_C | 15  | USB3_TX2_N_C |
|  | 7   | GND          | 14  | USB3_TX2_P_C |
|  | 8   | USB_0N_C     | 13  | GND          |
|  | 9   | USB_0P_C     | 12  | USB_1N_C     |
|  | 10  | USB3_ID      | 11  | USB_1P_C     |

**J5: SATA DOM Power Connector**

|  | Pin | Signal | Pin | Signal |
|--|-----|--------|-----|--------|
|  | 1   | VCC5   | 2   | GND    |

**JP7: CMOS Connector**

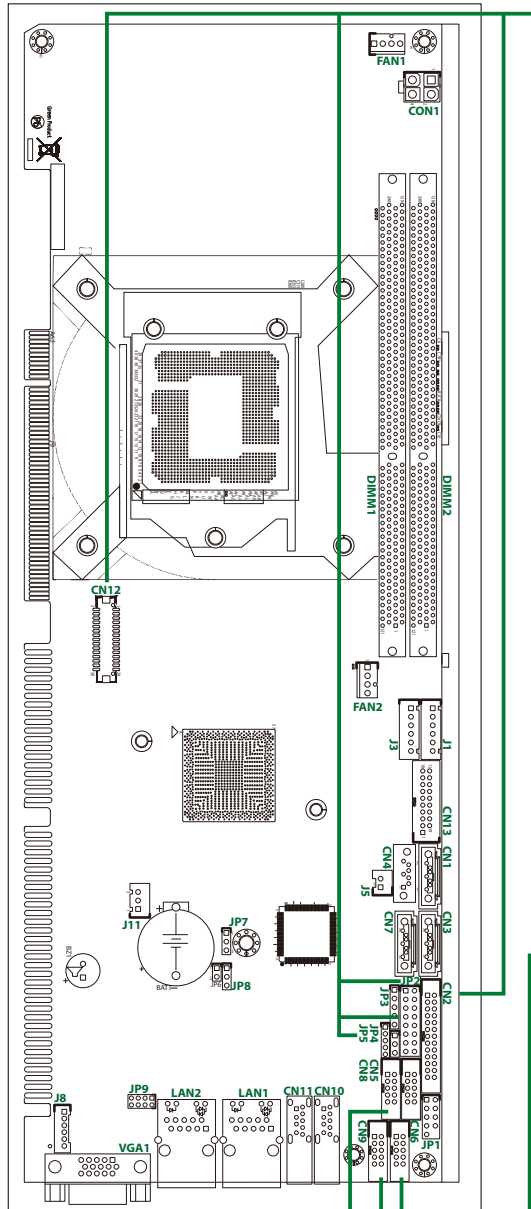
|  | Pin | Signal | Pin | Signal |
|--|-----|--------|-----|--------|
|  | 1   | NC     | 2   | RTCST# |
|  | 3   | GND    | 4   |        |

**JP8: ME Connector**

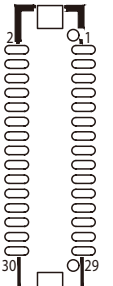
|  | Pin | Signal | Pin | Signal  |
|--|-----|--------|-----|---------|
|  | 1   | NC     | 2   | SRTCST# |
|  | 3   | GND    | 4   |         |

# PEAK 779 VL2 Quick Reference Guide

Ver A. (PN: 60177A0385X00)

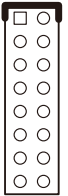


**CN12: DVI/HDMI/DP Port Connector**



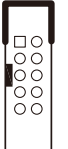
| Pin | Definition | Pin | Definition       |
|-----|------------|-----|------------------|
| 1   | DPB0 P     | 2   | HDMI POWER(+5V)  |
| 3   | DPB0 N     | 4   | HDMI POWER(+5V)  |
| 5   | GND        | 6   | DPB POWER(+3.3V) |
| 7   | DPB1 P     | 8   | DPB POWER(+3.3V) |
| 9   | DPB1 N     | 10  | HDMI_DIS         |
| 11  | GND        | 12  | HDMI_CTRL_CLK    |
| 13  | DPB2 P     | 14  | GND              |
| 15  | DPB2 N     | 16  | HDMI_CTRL_DATA   |
| 17  | GND        | 18  | GND              |
| 19  | DPB3 P     | 20  | GND              |
| 21  | DPB3 N     | 22  | GND              |
| 23  | GND        | 24  | HDMI_HPD         |
| 25  | DPB AUX P  | 26  | GND              |
| 27  | DPB AUX N  | 28  | DPB_HPD          |
| 29  | GND        | 30  | GND              |

**JP2: 2x8 Pin header**



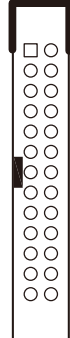
| Pin | Signal        | Pin | Signal        |
|-----|---------------|-----|---------------|
| 1   | SATA_LED_P    | 2   | PWR_LED_P     |
| 3   | SATA_LED#     | 4   | GND           |
| 5   | POWER BOTTON- | 6   | POWER BOTTON+ |
| 7   | RESET BOTTON+ | 8   | RESET BOTTON- |
| 9   | SPKR OUT      | 10  | SMB_CLK       |
| 11  | N/A           | 12  | SMB_DATA      |
| 13  | N/A           | 14  | SYSTEM TEMP   |
| 15  | SPKR IN       | 16  | TEMP GND      |

**CN6(COM4), CN8(COM1), CN9(COM3): Serier Port Box header**




| Pin | Signal | Pin | Signal |
|-----|--------|-----|--------|
| 1   | DCD#   | 2   | RX     |
| 3   | TX     | 4   | DTR#   |
| 5   | GND    | 6   | DSR#   |
| 7   | RTS#   | 8   | CTS#   |
| 9   | RI#    | 10  | NC     |

**CN2: Parallel Port Box header**




| Pin | Definition        | Pin | Definition    |
|-----|-------------------|-----|---------------|
| 1   | Line Print Strobe | 14  | Auto Feed#    |
| 2   | Parallel Data 0   | 15  | Error#        |
| 3   | Parallel Data 1   | 16  | Initialize#   |
| 4   | Parallel Data 2   | 17  | Select Input# |
| 5   | Parallel Data 3   | 18  | GND           |
| 6   | Parallel Data 4   | 19  | GND           |
| 7   | Parallel Data 5   | 20  | GND           |
| 8   | Parallel Data 6   | 21  | GND           |
| 9   | Parallel Data 7   | 22  | GND           |
| 10  | Acknowledge#      | 23  | GND           |
| 11  | Busy              | 24  | GND           |
| 12  | Paper empty       | 25  | GND           |
| 13  | Select            | 26  | NC            |

**JP3: IrDA Pin header**




| Pin | Signal | Pin | Signal |
|-----|--------|-----|--------|
| 1   | VCC5   | 2   | CIR RX |
| 3   | IR RX  | 4   | GND    |
| 5   | IR TX  |     |        |

**JP4: AT/ATX Pin header**



| Pin | Signal       | Pin | Signal     |
|-----|--------------|-----|------------|
| 1   | AT_PWRBT#    | 2   | PCH PWRBT# |
| 3   | EXTAL PWRBT# |     |            |

**JP5: RI Pin header**

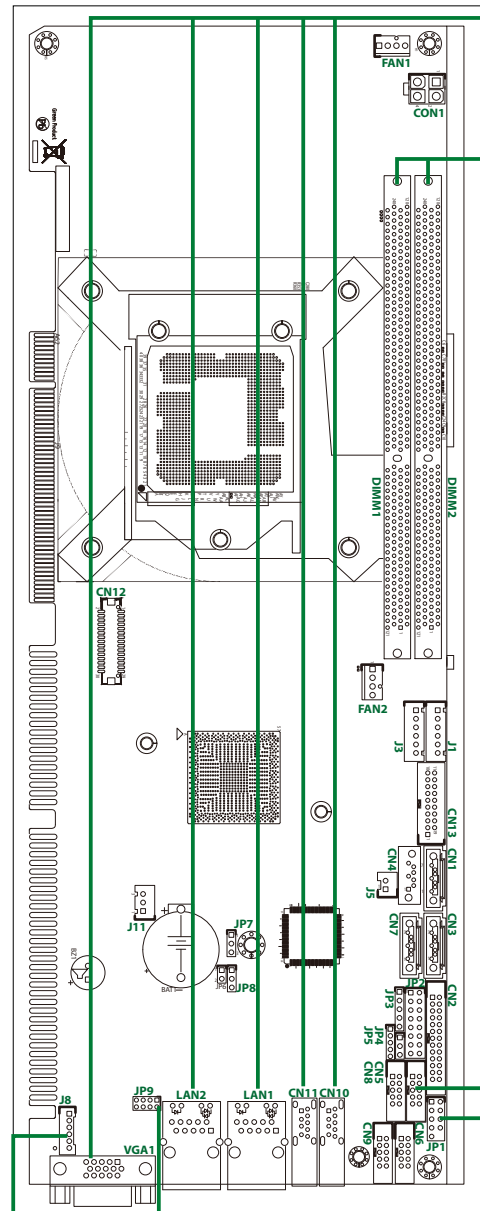


| Pin | Signal | Pin | Signal |
|-----|--------|-----|--------|
| 1   | VCC5   | 2   | CON_9  |
| 3   | +12V   | 4   | CON_9  |
| 5   | COM_RI |     |        |

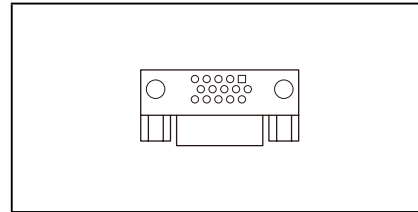


# PEAK 779 VL2 Quick Reference Guide

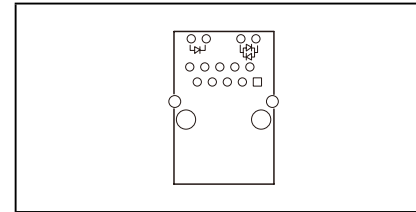
Ver A. (PN: 60177A0385X00)



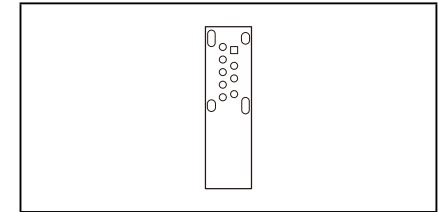
**VGA1: VGA Port Connector**



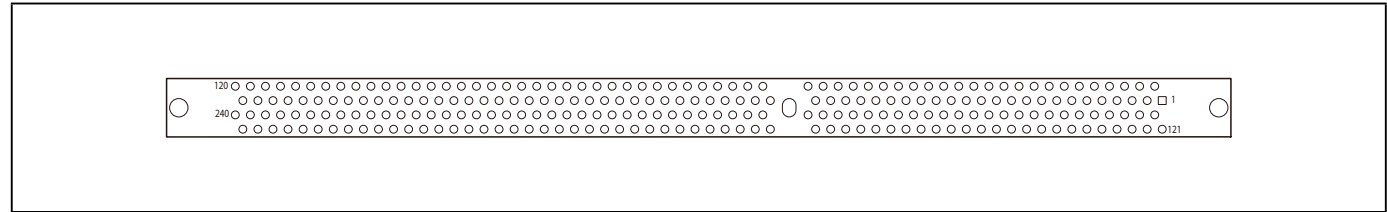
**LAN1/ LAN2: LAN Port Connector**



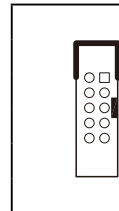
**CN10,CN11: USB Port Connector**



**D1MM1/ D1MM2**

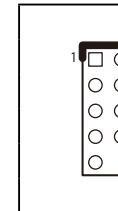


**CN5: Serier Port Box header(COM2)(RS422/RS485)**



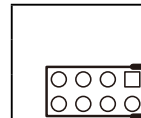
| Pin | Signal | Pin | Signal |
|-----|--------|-----|--------|
| 1   | DCD#   | 2   | RX     |
| 3   | TX     | 4   | DTR#   |
| 5   | GND    | 6   | DSR#   |
| 7   | RTS#   | 8   | CTS#   |
| 9   | RI#    | 10  | NC     |

**JP1: LAN LED Pin header**



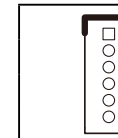
| Pin | Signal      | Pin | Signal    |
|-----|-------------|-----|-----------|
| 1   | HDA_SDOUT   | 2   | VCC5      |
| 3   | HDA_RST#    | 4   | GND       |
| 5   | HDA_SYNC    | 6   | +12V      |
| 7   | HDA_SDIN0   | 8   | HDA_SDIN1 |
| 9   | HDA_BIT_CLK | 10  | NC        |

**JP9: LAN LED Pin header**



| Pin | Signal        | Pin | Signal        |
|-----|---------------|-----|---------------|
| 1   | LAN1 ACT LED- | 2   | LAN2 ACT LED- |
| 3   | LAN1 ACT LED+ | 4   | LAN2 ACT LED+ |
| 5   | LAN1 LINK 1G  | 6   | LAN2 LINK 1G  |
| 7   | LAN1 LINK 100 | 8   | LAN2 LINK 100 |

**J8: KB/MS Connector**



| Pin | Signal        | Pin | Signal |
|-----|---------------|-----|--------|
| 1   | K/M_VCC (+5V) | 2   | LKBDAT |
| 3   | LKBCLK        | 4   | LMDAT  |
| 5   | LMCLK         | 6   | GND    |