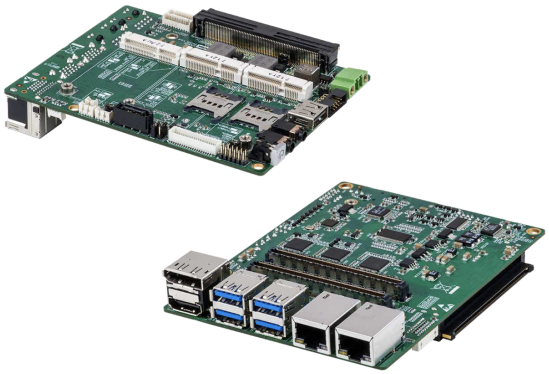
# Vtron T615 PRODUCT BROCHURE



COM ExpressTM Type 6 Rev. 2.1 compliant

**Part number:** T615 and T615V

## Features

- COM ExpressTM Type 6 Rev. 2.1 compliant
- Compact size: 125 x 95 mm
- Wide-Range DC voltage input: 9V~32V
- Supports 3rd Gen. ~ 7th Gen. Intel® CoreTM i7, i5, i3 processor
- Support multiple displays: 1x HDMI/VGA, 1x DP, LVDS
- 2x Mini-PCIe with USIM socket
- 1x mSATA socket, 1x SATA
- 4x USB3.0/2.0, 1x USB2.0, 1x USB2.0 Internal
- 2x GbE Ethernet, 2x RS-232

| | |
|---|---|
| **CPU Module Platform** | |
| **COM Express** | COM ExpressTM Type 6 Rev. 2.1 compliant, basic size or compact size |
| **CPU** | x86 CPU |
| **Display** | |
| **HDMI** | 1x HDMI (Share with VGA) |
| **DP** | 1x Display Port |
| **VGA** | 1x internal wafer (Share with HDMI) |
| **LVDS** | 24-bit dual channel |
| **Storage** | |
| **SATA** | 1x mSATA socket, 1x SATA (7-pin) |
| **USIM** | 2x USIM socket |
| **I/O Interface** | |
| **Ethernet** | 2x EJ45 GbE |
| **USB** | 4x USB 3.0/2.0, 1x USB 2.0, 1x USB 2.0 internal |
| **Audio** | 1x Line-out/MIC-in |
| **UART (Serial Port)** | 2x RS-232 (TxD, RxD signal only) |
| **Digital I/O** | 4-bit GPI, 4-bit GPO |
| **Expansion** | |

* All product specifications are subject to change without notice

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| | |
|---|---|
| **Mini-PCIe** | 2x Full-Length Mini-PCIe socket (PCIe + USB + SIM) |
| **Others** | |
| **Watchdog Timer** | Multistage |
| **Smart Battery Management** | ACPI 5.0 compliant |
| **Miscellaneous** | 5x PCIe x1 (*), 2x SATA (*), 1x DDI(*), LPC, SMB, I2C, Power button, reset button, HDD LED (*Depends on CPU module) |
| **Operating System** | |
| **Windows/Linux** | Depends on CPU module |
| **Power** | |
| **DC Input Voltage** | 9V~32Vdc |
| **OS Support** | |
| **Windows/Linux** | Depends on CPU module |
| **Mechanical** | |
| **Dimensions** | 125 x 95mm |
| **Environment** | |
| **Operation Temperature** | -20°C ~ 70°C |
| **Storage Temperature** | -45°C ~ 85°C |
| **Operation Humidity** | 10% to 90%, non-condensing |
| **Storage Humidity** | 5% to 95%, non-condensing |
| **Certification** | |
| **Safety Certifications** | CE/FCC Class A |

## I/O Comparison Chart

| Model Name | DP | DDI/VGA | LVDS | GbE(RJ45) | DIO | USB 3.0 | USB 2.0 | RS-232 | Mini-PCIe | mSATA |
|---|---|---|---|---|---|---|---|---|---|---|
| T615 | 1 | 1 | 24-bit Dual channel | 2 | 4-bit DI & 4-bit DO | 4 | 2 | 2 | 2 | 1 |
| T615V | | | | | | | | | | |



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## Ordering Information:

| Model Name | | Article Number (A/N) |
|---|---|---|
| T615 | COMe Type 6 Carrier Board (Horizontal Connector), 1x DDI/VGA, 1x DP, 1x LVDS, 2x RJ45 GbE, 4x USB 3.0, 2x USB 2.0, 2x RS-232, 4-bit DI & 4-bit DO | 7421-615100 |
| T615V | COMe Type 6 Carrier Board (Vertical stack Connector), 1x DDI/VGA, 1x DP, 1x LVDS, 2x RJ45 GbE, 4x USB 3.0, 2x USB 2.0, 2x RS-232, 4-bit DI & 4-bit DO | 7421-615200 |



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