

# Bell Advanced Technologies Made in USA

## Drone and Unmanned Aerial Vehicles (UAV) Wireless Video and Data Controller



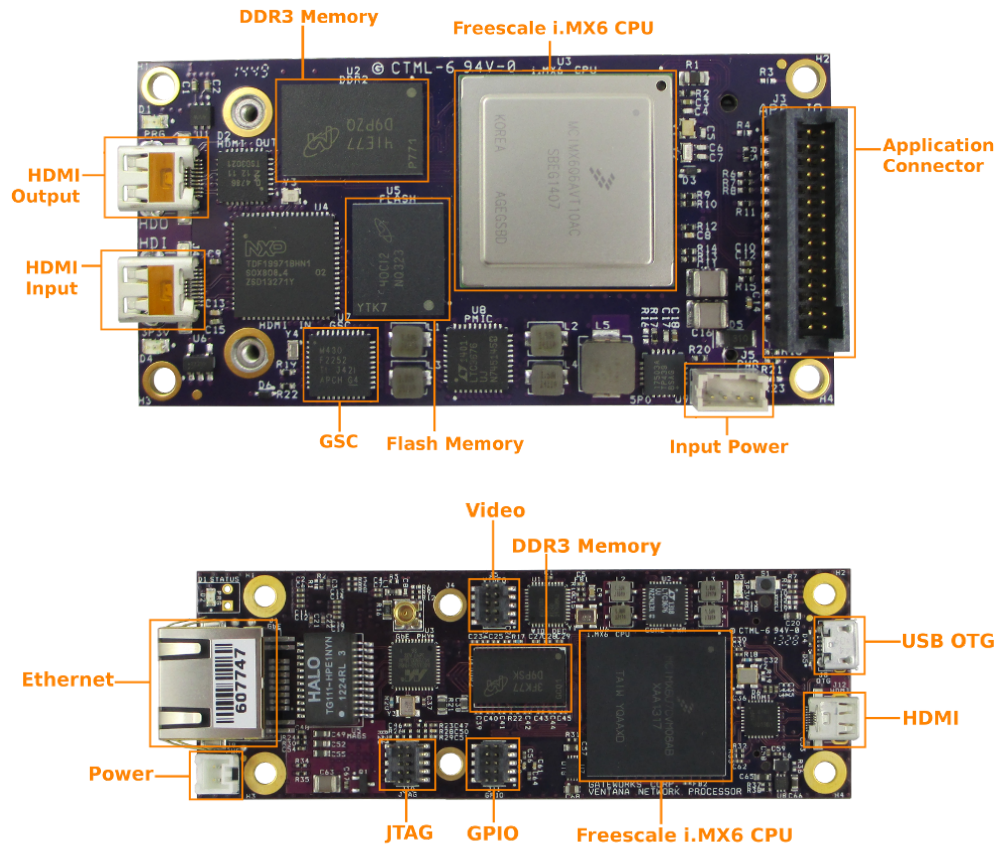
Gateworks has Single Board Computers that are ideal for commercial and military drones, Unmanned Aerial Vehicles (UAV), Remotely Operated Vehicles (ROV) and robotic applications. Made in the USA, these rugged boards are built to withstand -40 to +85C temperature ranges.

### Key Features for Drone and UAV / ROV Applications:

- HDMI Input (up to 1080p at 60Hz)
- HDMI Output (up to 1080p at 60Hz)
- Analog Video Input
- Analog Video Output
- Wide DC Voltage Input Range (8-60VDC), Accepts Battery Power
- Sensor / Telemetry Data (GPIO, DIO, UART, RS232, Accelerometer, Magnetometer, GPS)
- [Low Power](#) (as low as 1.32W)
- Small Form Factor (35x70mm)
- Low [Latency](#)
- Mini-PCIe sites for choice in [Wireless Communication](#) Supports High Power Long Range Wireless Radios, 802.11AC, Alternative Frequency Bands such as 4.9GHz, 900MHz, and more.
- Cellular functionality available
- Robust [GStreamer Multimedia Framework](#)

## Popular Gateworks SBCs used in Drone Applications:

- [Ventana GW5510](#) - HDMI Input / HDMI Output, 1 Mini-PCle
- [Ventana GW5100](#) - HDMI Output with Ethernet, Analog Video Input, 1 Mini-PCle
- [Ventana GW5530](#) - HDMI Output, Analog Video Input, 1 Mini-PCle, MicroSD



## Typical Drone / UAV / ROV Use Case:

1. SBC On Drone - High Resolution HD Camera via HDMI Input which streams video via Wireless radio in Mini-PCle Slot
2. SBC as Base Station on Ground - Wireless video stream is received from drone and displayed on HDMI TV / Monitor.

Let us help you select the right Single Board Computer for your application

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[www.bell.co.il](http://www.bell.co.il)