

LWT PRO

Light Weight Telemetry



Light Weight Telemetry LWT

Ultra-low latency

Utilizes the latest 4G/5G technology to stream full-duplex RS232 telemetry.
Receive text (SMS) or Email Status reports.
North America and Global Data Coverage.

Light Weight & Durable

LWT PRO weighs in at 0.495 lbs. It withstands harsh environments: high temperature, vibration, water, and dust.
The small housing is durable synthetic polyamide (nylon). It features two unique cable tie mounts making it fast and easy to install.

Interfaces

Full duplex RS232 port. Connect any RS232 telemetry stream or GPS
SMA Antenna ports: MIMO dual diversity 4/5G antenna.
Dual SIM card slot provides automatic failover and carrier diversity.
Configurable input and output. Monitor digital and analog inputs or digital output control. (Optional)
WiFi connectivity (Optional)

1-949-315-5403
www.510electronics.com
www.510connectivity.com
www.510speedstream.com

LWT PRO Specifications

Cellular Download Speed

Max 600 Mbps

Cellular Upload Speed

Max 150 Mbps

Cellular Carrier

AT&T_FirstNet
 Verizon
 Sprint
 US Cellular
 Tellus
 T-Mobile
 eSIM multi carrier
 Dual SIM Slot

Serial

TCP, UDP, Modbus
 Max Baud 115200
 Full Duplex. RX/TX
 Multiplex. Transmit to multiple receivers.

Made in AMERICA.

Power

Voltage Input 7 to 36 VDC @ 1.2A Max

Temperature

-40 °F to 167 °F (-40 °C to 75 °C)

Construction

Synthetic polyamide (nylon)

Pin-Out

1. Ground
2. NC (I/O Option)
3. 12V
4. RS232 TX (Data IN)
5. RS232 RX (Data Out)

Mating Connector: ASL 606-05 SN

LED	Color / Pattern	Description
NET	Solid Green	Connected to an 5G/4G LTE network
	Flashing Green	Connecting to the network
	Flashing Red	No network available
	Flashing Amber	SIM activation state unknown
	Flashing Red / Amber	Network Operator Switching
Signal	Solid Green	Good signal (equivalent to 3-5 bars)
	Solid Amber	Fair signal (equivalent to 2 bars)
	Flashing Amber	Poor signal (equivalent to 1 bar)
	Flashing Red	Inadequate (equivalent to 0 bars)
	Flashing Red	Traffic is being transmitted or received over the serial port.
Data	Flashing Red	Traffic is being transmitted or received over the serial port.
	Off	No power
	Solid Green	Power is present.
Power	Solid Red	Standby mode

