



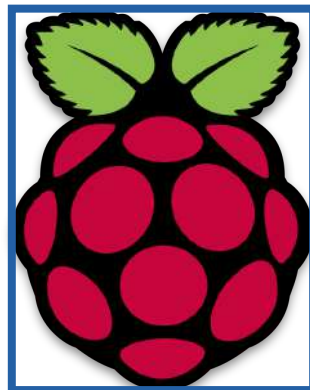
NextBus is an inexpensive transit information display designed to show the MTA Bustime information. Using off the shelf components such as a Raspberry Pi 3, and connecting to existing infrastructure, such as LinkNYC wifi hotspots, our transit rider screen solution aims to bring useful information to bus riders at a fraction of the cost.



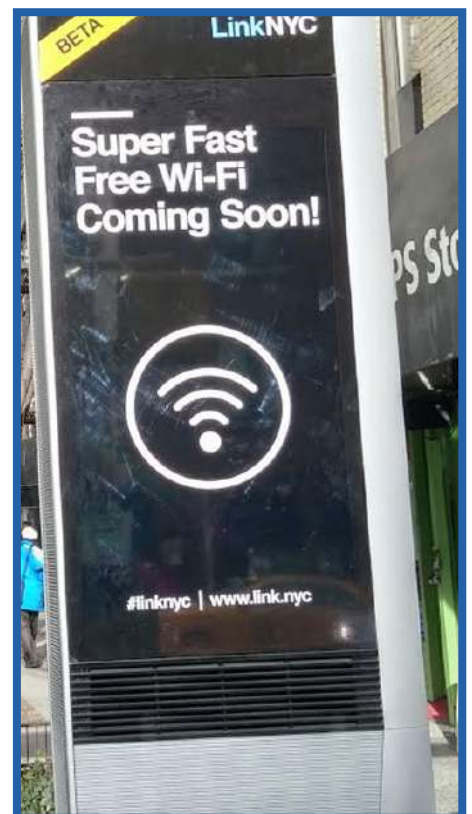
Connect Bustime API to Raspberry Pi



Solar powered battery to keep running.



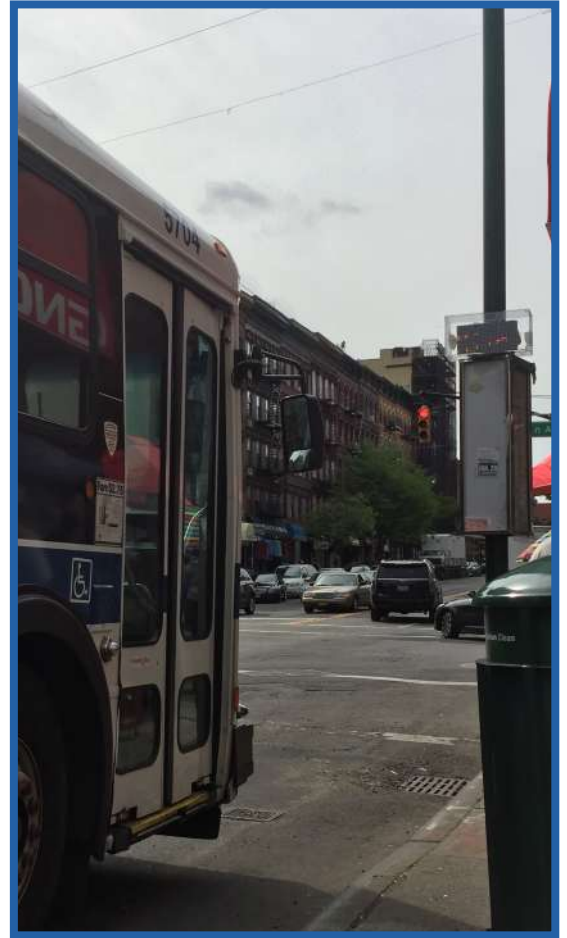
Raspberry Pi connect to display screen.



Connect to free public wifi hotspots



NEXTBus Prototype



Components



Rasberry Pi 3 - \$35



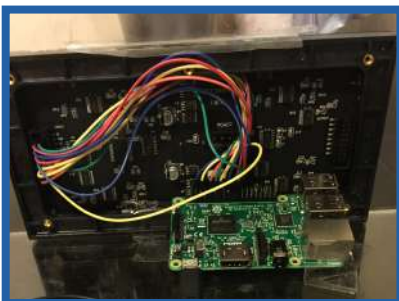
Acrylic case - \$10



10000 mAh battery - \$30



Other hardware - \$10



LED Display & wires - \$30

Total spent on prototype
\$115

