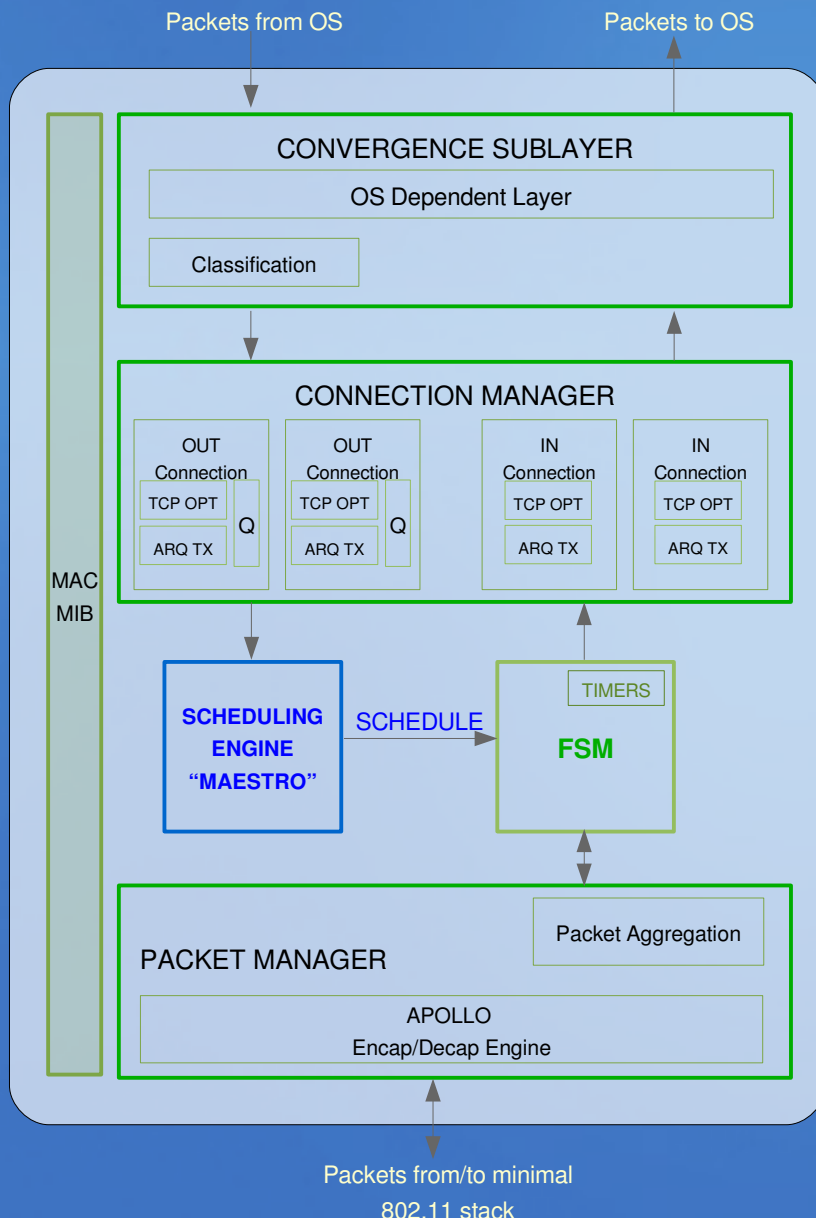


## Antcor Polling Optimizer - APOLLO

Antcor POLLing Optimizer is a proprietary technology that combines the cost-effectiveness of IEEE 802.11 radios with the benefits of a sophisticated QoS aware MAC protocol. APOLLO engine achieves an ultimate combination of high network throughput and guaranteed Quality of Service, bringing a new revolutionary era for wireless outdoor broadband deployments.

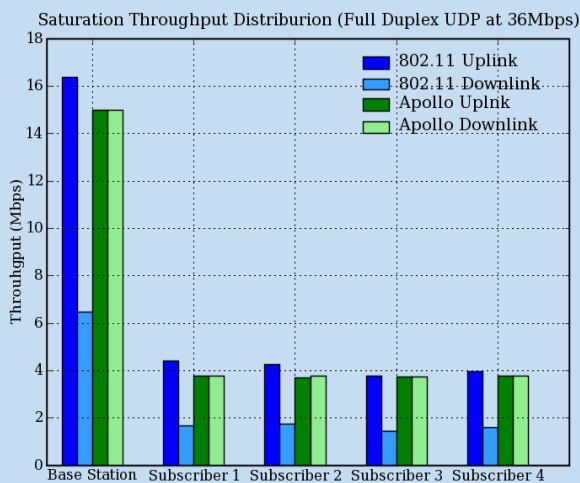


### Product Highlights

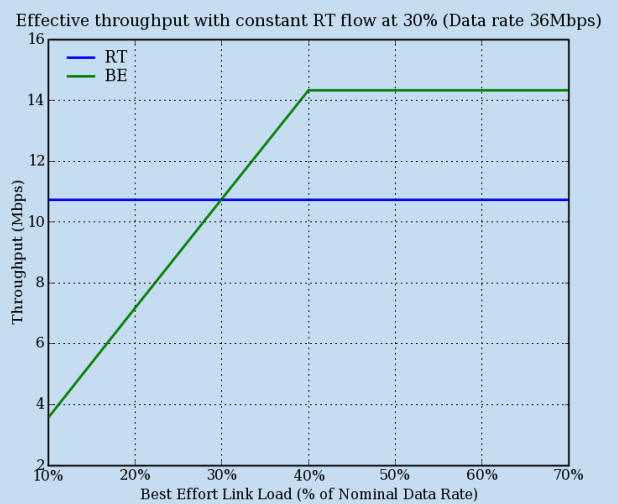
- Efficient Polling Protocol overcomes the limitations of IEEE 802.11 in outdoor deployments.
  - ◆ Eliminates Hidden Node problem.
  - ◆ Deterministic Medium Access without idle back-off intervals.
  - ◆ Advanced Bulk Acknowledgment mechanism.
  - ◆ Higher efficiency/link utilization compared to 802.11 protocol.
- Packet aggregation enhances network capacity for multimedia traffic.
- TCP Optimizer maximizes performance for TCP traffic.
- Uses existing off-the-self 802.11 radios, no hardware modifications needed.
- Hardware and Platform Independent.

# Advanced QoS Architecture

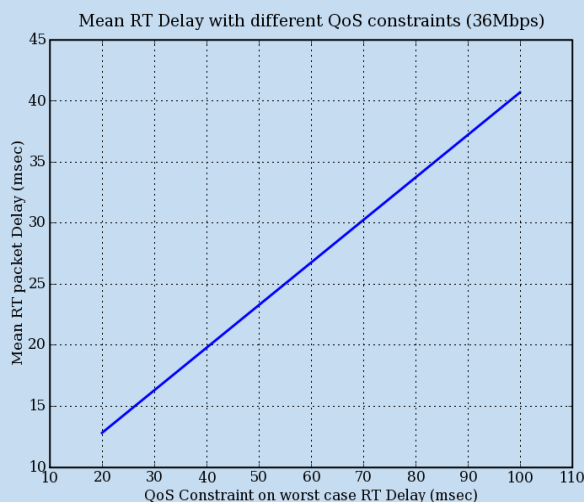
- Connection based, IEEE 802.16-like QoS architecture.
- Efficient traffic classification to Apollo Layer Best Effort and Real Time Connections.
- Sophisticated scheduling engine ('Maestro') for optimal allocation of network resources with respect to the QoS constraints.
- Optimized for 2-play (data/voice) deployments.
- Maximized Best Effort throughput with guaranteed QoS for Real Time traffic.
- Admission control proactively prevents over subscription.
- Precise bandwidth allocation offers superior fairness.



Apollo achieves higher saturation throughput while maintaining exceptional fairness for all subscriber stations.



Quality of Service is maintained under Best Effort saturation. Maestro engine adaptively regulates Best Effort flow in order to avoid QoS violations.



QoS constraints can be fine tuned by the system administrator according to deployment needs.

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