Building upon Cubic | Trafficware's highly acclaimed Version 76 controller software, SCOUT controller software provides significant enhancements to address the increasing complexity of signalized intersections. Built upon the Linux OS platform, SCOUT is perfectly matched for the latest in ATC class controllers including, NEMA, 2070 and ITS.

The controller firmware also addresses the requirements for SynchroGreen Adaptive control, Connected Vehicle (CV) applications and Measures of Effectiveness (MOEs). All controller firmware modules such as Light Rail Transit (LRT), Transit Signal Priority (TSP), Connected Vehicle (CV) and SynchroGreen Adaptive are preinstalled in the firmware and only require a software key to enable the features.
# Product Features & Capabilities

## CAPABILITIES

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<tr>
<th></th>
<th>Linux</th>
<th>OS9</th>
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</thead>
<tbody>
<tr>
<td>Vehicle Phases</td>
<td>32</td>
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<tr>
<td>Pedestrian Phases</td>
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<tr>
<td>Rings</td>
<td>8</td>
<td>6</td>
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<td>Phases Per Ring</td>
<td>32</td>
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<tr>
<td>Overlaps</td>
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<tr>
<td>Vehicle Detector Input</td>
<td>128</td>
<td>64</td>
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<tr>
<td>Pedestrian Detector Inputs</td>
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<tr>
<td>Speed Detector Inputs</td>
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<tr>
<td>Output Channels</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td>Logic Processor</td>
<td>100 Logic Statements</td>
<td>50 Logic Statements</td>
</tr>
<tr>
<td>Preemption</td>
<td>12 high priority, 4 low priority and 4 special interval</td>
<td></td>
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<tr>
<td>Coordination Plans</td>
<td>48 patterns using up to 48 cycles &amp; offsets, up to 32 splits with cycle lengths up to 999 seconds</td>
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<tr>
<td>Peer to Peer Communications</td>
<td>Peer to Peer Programming support (of up to 16 Ethernet connected controllers) which provides a way to have one controller’s inputs or outputs drive another controller’s inputs or outputs</td>
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<tr>
<td>Available Optional Modules</td>
<td>Connected Vehicle (CV), SynchroGreen Adaptive, Signal Performance Measures (SPMs) and Light Rail Transit (LRT)</td>
<td></td>
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<tr>
<td>Cabinet Device Interface</td>
<td>TS1, TS2, ATC, BIU, MMU, ITS, SIU, CMU and AMU</td>
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## SPECIFICATIONS

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<tbody>
<tr>
<td>Operating System</td>
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<tr>
<td>Compatibility (NEMA)</td>
<td>NEMA, NEMA ATC</td>
</tr>
<tr>
<td>Compatibility (2070)</td>
<td>1B8, 1E, 1C</td>
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<tr>
<td>Compatibility (ITS)</td>
<td>340 ITS</td>
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