

By Patrice Samuels, Senior Analyst, Parks Associates

Synopsis	Smart Product System Operation								
<p>This report assesses how the smart home is expanding beyond lights, locks, and thermostats to include new products such as smart beds, mirrors, and appliances. It examines how these devices and appliances address additional pain points in the home and enhance overall connected home experiences. The report also estimates the US market size for these devices and appliances.</p> <p>Publish Date: 2Q 19</p>	<div style="text-align: center;"> <h3>Smart Vents</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">User Input</th> <th style="width: 33%;">Sensor Input</th> <th style="width: 33%;">System Capabilities</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; padding: 5px;"> <p>User sets preferred temperature</p> <ul style="list-style-type: none"> • Keep all rooms at same temperature set point • Allocate different temperatures for each room • Maintain personalized setting for each home occupant <p>Users set room occupancy schedule</p> </td> <td style="border: 1px solid black; padding: 5px;"> <p>Sensors gather data for analytics in the cloud</p> <ul style="list-style-type: none"> • Temperature • Humidity • Air Pressure • Local Weather • Sun Exposure • Occupancy • Volatile organic compounds </td> <td style="border: 1px solid black; padding: 5px;"> <p>Sensor data analyzed in the cloud</p> <ul style="list-style-type: none"> • Opens and closes vents to achieve desired temperature • Adjusts airflow to conserve energy • Alerts user if HVAC system compromising irregularities are discovered • Alerts sent to user if volatile organic compounds are discovered in the air </td> </tr> </tbody> </table> <p style="text-align: right; font-size: small;">© 2019 Parks Associates</p> </div>			User Input	Sensor Input	System Capabilities	<p>User sets preferred temperature</p> <ul style="list-style-type: none"> • Keep all rooms at same temperature set point • Allocate different temperatures for each room • Maintain personalized setting for each home occupant <p>Users set room occupancy schedule</p>	<p>Sensors gather data for analytics in the cloud</p> <ul style="list-style-type: none"> • Temperature • Humidity • Air Pressure • Local Weather • Sun Exposure • Occupancy • Volatile organic compounds 	<p>Sensor data analyzed in the cloud</p> <ul style="list-style-type: none"> • Opens and closes vents to achieve desired temperature • Adjusts airflow to conserve energy • Alerts user if HVAC system compromising irregularities are discovered • Alerts sent to user if volatile organic compounds are discovered in the air
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	<p>“Ecosystem expansion strategies for smart home brands include adding intelligence to consumer electronic devices that solve real-world problems and drive convenience. These strategies also involve moving beyond access points of the home like the front or garage door as well as centralized locations such as the living room, to start building smart home ecosystems in other areas of the home, including bedrooms, bathroom, and kitchens,” said Patrice Samuels, Senior Analyst, Parks Associates.</p>								
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