

SMARTCUBE[®]

AUTOMATED MINIBARS



MINIBAR SYSTEMS
smart bars • smart people • smart solutions

FEATURES & BENEFITS

- Silent Thermoelectric cooling technology
- Modular plug and play electronic components for quick and easy replacement
- No microswitches or moving parts – SmartCube uses sealed infrared sensors
- All new MoS 10 self-diagnostic reporting software
- Angled shelf dividers keep guests from storing personal items inside minibars, reducing spills/excess maintenance and allowances
- Enhanced electronic door lock with mechanical override
- Wi-Fi or Ethernet communication
- 10-year life span and virtually maintenance free
- Easily adjustable internal shelves and transparent door racks for countless product configurations
- Flexible external product configurations with SmartTray
- Automatic billing to the hotel PMS
- Self-diagnostics and reporting
- Full glass front, with either a solid or transparent door option
- Reversible hinging
- Option for a Dual Minibar/Fridge combo



SC40T
solid foam
glass door



SC40T & GF27T
solid foam
glass door



SC40T
glass door



SmartCube DualBar
SC40T glass door & GF27T solid foam glass door



GF27T
solid foam
glass door



SC60T
solid foam
glass door



SmartTray
(4 Sensors)
leatherette



SmartTray
(8 Sensors)
leatherette



SmartTray
(12 Sensors)
leatherette

FEATURES & BENEFITS

Quality Engineered

- 30% more energy efficient over previous SmartCube models
- Eco-friendly silent thermoelectric cooling technology
- State-of-the-art insulation properties (Argon, low-E glass)
- Solid insulated frame for glass door
- Industrial door seals
- RoHS Compliant and free of hazardous materials and chemicals
- Cyclopentane foaming agent – most environmentally friendly material
- Kyoto and Montreal protocol compliant

Sophisticated Design & Finish

- Door design with sensors mounted directly on the glass door to maximize revenue
- Translucent racking on door for high visibility of products
- Programmable internal LED lighting
- Best product merchandising
- Customized front panel to integrate with design†
- Case good cabinet door sliders available

Infrared Sensing Technology

- No moveable parts (unlike micro switches)
- Engineered to be maintenance free
- Sealed electronics – moisture/spill proof
- Sensor shelves can be adjusted without tools
- Adjustable infrared sensitivity

Communication Technology

- Communication options include:
 - Ethernet
 - Wireless
- Compatible with most PMS Systems
- Real time updates

Easy Maintenance By Design

- Easy “plug and play” operation
- Console Box “brain” of the unit easily replaced
- Modular design for easy upgrade
- Everything designed to be fixable/repairable/replaceable
- Engineered for 10+ years lifespan

† Recommended weight of panel is no more than 9 lbs. (4.08Kg).
Recommended thickness, ¾ inches (18-20mm)



The tablet comes with Android OS and Minibar Operating Software version MoS 10 or newer

Tablet Features

- Real time attendant communications
- Bluetooth wireless technology
- Tablet controls refill locking and unlocking of minibar
- Ad-hoc posting feature
- Automatic credit function
- Visual refill and communication confirmation
- Tablet performs maintenance diagnostics
- Paperless operation
- Touch screen design
- Tablet configured specifically for property



AUTO & WI-FI SMARTTRAYS

- Available for AUTOMATED or WI-FI
- SmartTrays can be added for unlimited product capacity and merchandising
- SmartTrays are available with 2, 4, 8, 10 and 12 sensors
- Optional custom designs for endless possibilities



SmartTrays

Sensor	Height	Width	Depth
2 sensor leatherette	3.125" 79.38 mm	8.875" 225.425 mm	4.8125" 122.2375 mm
4 sensor leatherette	3.125" 79.38 mm	14.8" 375.92 mm	4.8125" 122.2375 mm
8 sensor leatherette	3.125" 79.38 mm	14.8" 375.92 mm	8.0625" 204.787 mm
10 sensor leatherette	3.125" 79.38 mm	18.385" 467 mm	8.0625" 204.787 mm
12 sensor leatherette	2.717" 69 mm	16.614" 422 mm	14.173" 360 mm

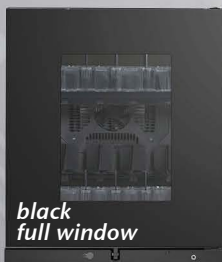
Wi-Fi Automated SmartTrays

Sensor	Height	Width	Depth
2 sensor leatherette	3.346" 85 mm	4.87" 123.8 mm	4.87" 123.8 mm
4 sensor leatherette	3.346" 85 mm	14.8" 368.3 mm	4.87" 123.8 mm
8 sensor leatherette	3.346" 85 mm	14.5" 368.3 mm	7.716" 196 mm
10 sensor leatherette	3.346" 85 mm	18.385" 467 mm	7.716" 196 mm
12 sensor leatherette	2.717" 69 mm	16.614" 422 mm	14.173" 360 mm

DOOR OPTIONS

- Full glass silkscreen and solid laminated door options available.
- Customized silkscreening available including logo's.

Full Glass Door Options



Solid Laminated Door Options

SMARTCUBE SOFTWARE

Without the proper software, automated minibars are nothing more than an expensive refrigerator. It's the true heart to any automated system. It needs to be stable, reliable, and easy to use.

The simplicity of the user interface in the SmartCube software makes it the most powerful and robust minibar management tool in the industry.

SmartCube MoS 10 Software

- Product Expiration Management
- Happy Hour Pricing
- Automated Report Generation & Distribution
- Ease of setup and use
- User friendly GUI
- Feature rich

Software Features

- On-premise or virtual server
- Web based software
- PMS Interface TCP/IP or RS232
- Reference Data and Generate Reports from Any Secure Access Point
- MoS 10 (for automated bars) and MCS (for honor bars) synthesized into one software package
- Auto Emailing of key reports can be setup directly from the S4 system and sent directly to Managers
- Intuitive indicators will appear on all screens to flag PMS and COMM's status (Green/Red)
- Attendants use Android tablets running Minibar's proprietary software to lock/unlock, refill and conduct maintenance diagnostics on the bar
- Video tutorials on www.minibarsupport.com

Software Features

- Single click buttons
- Critical system alarms:
 - Displayed on all screens
 - E-mailed to key personnel
- Individual sensor fault reporting
- Remote locking and unlocking
- Programmable lighting
- Detailed maintenance reports
- Historical room sales and statistics
- Reports can be exported, E-mailed, or PDF'd
- Automatic perpetual inventory
- Windows network-ready
- Interface TCP IP / RS232
- Automatic daily backup to separate hard drive
- Online manual
- 24 / 7 in-house technical support
- Free upgrades

Full Suite of Reports

- Labor Tracking
- Maintenance
- Real Time Inventory
- Product Sales
- Financial Analysis
- Restocking Cart Requirements
- Daily Refill Reports

Bandwidth Used

- 64 bytes a minibar per hour used.
- 3,000 room hotel 192kb/hr of Wi-Fi bandwidth.
- 5,000 room hotel 320kb/hr of Wi-Fi bandwidth.
- It will take over 15 million minibars to reach 1 gig of bandwidth

Attendant Activity Report
20110418 08:00:00 to 20110418 20:00:00

Attendant	Room Number	Bar ID	Refill Status	Refill Reason	Date and Time
Minibar	210		VISITED, REFILLED, ALL	MISSING_PRODUCT	20110418 08:40:46
Minibar	210		VISITED, REFILLED, NONE	MISSING_PRODUCT	20110418 08:47:03
Minibar	223		VISITED, REFILLED, NONE	MISSING_PRODUCT	20110418 08:51:54
Minibar	224		VISITED, REFILLED, NONE	MISSING_PRODUCT	20110418 09:04:08
Minibar	302		VISITED, REFILLED, NONE	REPLACEMENT	20110418 10:07:06
Minibar	304		VISITED, REFILLED, NONE	REPLACEMENT	20110418 10:08:56
Minibar	308		VISITED, REFILLED, ALL	REPLACEMENT	20110418 10:12:38
Minibar	310		VISITED, REFILLED, ALL	REPLACEMENT	20110418 10:14:33
Minibar	312		VISITED, REFILLED, ALL	MISSING_PRODUCT	20110418 10:24:30
Minibar	314		VISITED, REFILLED, ALL	MISSING_PRODUCT	20110418 10:28:26
Minibar	315		VISITED, REFILLED, NONE	MISSING_PRODUCT	20110418 10:31:26

Refill Activity Report
20110418 08:00:00 to 20110418 20:00:00

User	Start Date	End Date	Prepared	Visited	Refilled	CMO	Not Refilled	Refill Day	Refill PR	Refill Time	Refill Cost
Minibar	20110418 08:28:07	20110418 12:55:45	100	73	73	0	83	73	47%	4h: 28m: 48s	1.10
Minibar	20110418 08:28:07	20110418 14:47:27	142	86	86	0	82	86	54%	8h: 50m: 32s	4.80
Team	20110418 13:17:49	20110418 15:16:12	129	0	0	0	129	0	0%	0h: 0m: 22s	0.00
Minibar	20110418 08:12:42	20110418 14:23:05	151	87	87	0	74	87	54%	8h: 12m: 22s	1.10

Maintenance Report
20110418 08:00:00

Room Number	Comen Fail	Lock Check	Missconfigured	Suspend	Unltd
201					
222					

TECHNICAL SPECIFICATIONS



Model	SC40T	SC60T	GF27T
Cooling Type	Thermoelectric Heat Pipe	Thermoelectric Heat Pipe	Thermoelectric Heat Pipe
Number of Sensors / Shelves	28 / 0	32 / 0	0 / 2
Capacity (liters / cubic feet)	40 / 1.22	50 / 1.766	27 / 0.95
Dimensions HxWxD (inches) *	22.92 x 16.14 x 18.7*	22.92 x 19.29 x 18.7*	22.92 x 12.2 x 18.55*
HxWxD (mm) *	582.4 x 410 x 475*	582.4 x 490 x 475*	582.4 x 310 x 471.1*
Door Options	Full Glass Front: No Window, Full Window, Partial Window, Stainless Steel Full Window Solid Laminated: Black Solid, Stainless Steel		Full Glass Front: No Window
Watts (W)	60W	42-52W	60W
Voltage (V)	110V / 60Hz or 220V / 50Hz	110V / 60Hz or 220V / 50Hz	110V / 60Hz or 220V / 50Hz
Amps	0.5-0.9	0.35-0.75	0.5-0.9
Energy Consumption (kWh/24h) **	0.43 kWh/24h**	0.32 kWh/24h**	0.4 kWh/24h**
Net Weight (lbs / kgs)	46.5 lbs / 21.1 kgs	52.91 lbs / 24 kgs	27.12 lbs / 12.3 kgs
Noise Level (dB)	40 dB	40 dB	40 dB
Certification	CSA / CE / FCC / ETL / WEEE and ROHS compliant / Manufacturing ISO9001 and ISO14001 certified		

TECHNICAL SPECIFICATIONS



Model	DualBar	SDC40T
Cooling Type	Thermoelectric Heat Pipe	Thermoelectric Heat Pipe
Number of Sensors / Shelves	28 / 2	30 / 0
Capacity (liters / cubic feet)	67 / 2.36	40 / 1.22
Dimensions HxWxD (inches) *	22.92 x 28.465 x 18.7*	17.52 x 21.65 x 19.56 (without handle) [†]
HxWxD (mm) *	582.4 x 723 x 475*	445 x 550 x 497 (without handle) [†]
Door Options	See SC-40 & GF-27 Door Options Above For More Details	Full Glass Front: No Window Solid Laminated: Black Solid
Watts (W)	60W	42-52W
Voltage (V)	110V / 60Hz or 220V / 50Hz	110V / 60Hz or 220V / 50Hz
Amps	0.5-0.9	0.35-0.75
Energy Consumption (kWh/24h) **	0.43 kWh/24h & 0.4 kWh/24h**	0.32 kWh/24h**
Net Weight (lbs / kgs)	73.63lbs / 33.4 kgs	52.91 lbs / 24 kgs
Noise Level (dB)	40 dB	40 dB
Certification	CSA / CE / FCC / ETL / WEEE and ROHS compliant / Manufacturing ISO9001 and ISO14001 certified	

* Measured to door handle

**Average energy consumption per 24 hours, at 25°C (77°F) ambient temperature and 4°C (39.2°F) cooling temperature, in compliance with EN ISO 7371

[†] Depth with handle is 20.47 inches (520 mm). Handle adds 0.9 inches (23mm) to depth

Specifications may change without notice due to continuous product development.



MinibarSystems.com

MINIBAR SYSTEMS
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