

ENERGY STAR Manufacturing Partner	Samsung Electronics Co., Ltd.
ENERGY STAR Manufacturing Partner s EPA issued Organization ID	1023593
Partner Contact Name For This Model	arim20.na@samsung.com
Type of Transaction	Modification
Reason for Transaction	Modification: Added Model Name/Number
Date of Transaction Type	
ENERGY STAR Model Identifier	
Certification ID	
Family ID	
Model Name	WA86C
Model Number	WA86C
Universal Product Code (UPC)	195174042663
Reason for Not Providing UPC Code	
Other Reason for Not Providing UPC Code	
Brand Name	SAMSUNG
Tested Model Name	WA86C
Tested Model Number	WA86C
Additional Models Represented by Family Series or DOE Basic	
Additional Model Name	LH86WACW ; LH86WACWLGCXZA ; LH86WACWLGCXEN ; LH86WADW ; LH86WADWLGCXZA ; WA86D
Additional Model Number	LH86WACW ; LH86WACWLGCXZA ; LH86WACWLGCXEN ; LH86WADW ; LH86WADWLGCXZA ; WA86D
Additional Identifying Information	
Is the Partner Listed the Original Equipment Manufacturer OEM	No
If the Partner is Not the Original Equipment Manufacturer Who is	Guangzhou Shirui Electronics Co., Ltd.
Currently Available on Market	Yes
Date Available On Market	11/20/2023
Date Tested	10/11/2023
Date CB Notified Partner of Model Qualification	
Certification Body Contact Name for This Model	Rahul Mehta
Laboratory EPA issued Organization ID	1115362
Laboratory Contact for This Model	Gina Yang
To What Major Markets is This Model Sold	All markets
Notes	
ENERGY STAR Specification Version	8.0
Product Type	Signage Display
Tiled Display System	No
Maximum Tiled Configuration	
Panel Type	TN LCD
Other Panel Type	
Diagonal Screen Size (in)	85.6
Screen Area (sq in)	3131.06
Display Contrast Ratio	1200
Native Vertical Resolution (lines)	2160
Native Horizontal Resolution (lines)	3840

Total Native Resolution (megapixels)	8.3
Native Pixel Density (Dp) (pixels/sq in)	2649
As-Tested Screen Refresh Rate (Hz)	60
Maximum Screen Refresh Rate (Hz)	60
Enhanced Performance Criteria	No
Color Gamut	
Color Spaces Supported	None
Reported Contrast Ratio at -85 deg. (Left) Horiz. Viewing Angle	
Reported Contrast Ratio at +85 deg. (Right) Horiz. Viewing Angle	
High Dynamic Range (HDR)	N/A
Available Signal or Data Interfaces	HDMI; USB;VGA, RS232; RJ45; Other
Other Available Interfaces	AUDIO IN; Audio OUT; SPIDF;TOUCH
Model Features	Built-In Speakers;Touch Screen;Full Network Connectivity; USB-C
Other Features	None
Features Enabled in Default On Mode	Built-In Speakers;Touch Screen;Full Network Connectivity
Features Enabled in Default Sleep Mode	Full Network Connectivity
Signal Interface	USB-C
Other Interface	
Wireless Technologies Supported	None
Ethernet Supported	Gigabit Ethernet (1000 Mbit/s)
USB-C with Power Delivery Supported	Yes
Maximum Power Delivery (W)	65
Power Source	Ac to dc internal power supply
Other Power Source	None
Does Model Have a Forced Menu at Initial Start-	No
Maximum Measured Luminance (cd/m^2)	434.3
Maximum Reported Luminance (cd/m^2)	400.0
As-shipped Luminance (cd/m^2)	426.6
As-tested Luminance (cd/m^2)	263.8
On Mode Power at 12 Lux at 115 Volts (W)	
On Mode Power at 300 Lux at 115 Volts (W)	
Measured On Mode Power at 115 Volts (W)	134.36
Reported On Mode Power at 115 Volts (W)	134.36
Maximum On Mode Power Limit for Signage Certification (W)	183.55
Measured Sleep Mode Power at 115 Volts (W)	1.11
Reported Sleep Mode Power at 115 Volts (W)	1.11
Measured Disconnected Sleep Mode Power at 115 Volts (W)	0.28
Maximum Sleep Mode Power Limit for Signage Certification (W)	3.5
Number of Sleep Modes in Addition to Default Sleep Mode	0
Mechanism for Automatically Entering Sleep or Off Mode?	Display Power Management Signaling
Other Mechanism for Automatically Entering Sleep or Off Mode	
Default Delay Time to Sleep (min)	5

Measured Off Mode Power at 115 Volts (W)	0.01
Reported Off Mode Power at 115 Volts (W)	0.01
Measured Total Energy Consumption at 115 Volts (kWh)	
Reported Total Energy Consumption at 115 Volts (kWh)	
Max Total Energy Consumption Limit for Monitor (kWh)	
On Mode Power at 12 Lux at 230 Volts (W)	
On Mode Power at 300 Lux at 230 Volts (W)	
Measured On Mode Power at 230 Volts (W)	132.24
Measured Sleep Mode Power at 230 Volts (W)	1.34
Measured Disconnected Sleep Mode Power at 230 Volts (W)	0.31
Measured Off Mode Power at 230 Volts (W)	0.01
Measured Total Energy Consumption at 230 Volts (kWh)	
True Power Factor (PF) During On Mode Testing at 115 Volts (W)	0.97
True Power Factor (PF) During On Mode Testing at 230 Volts (W)	0.93