



Breath Better Drive Better

In-vehicle Air Purifier

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Name	Hitachi-LG Data Storage Inc.
Founded Year	November. 22th. 2000
Capital	USD 42.4 Million (Hitachi 51%、 LG Electronics 49%)
President	President & CEO : Min Byung Hoon President & CFO : Makoto Hayata
Location	Japan, Korea, China, Malaysia, Taiwan and Netherlands

Hitachi-LG Data Storage is a joint business between Hitachi and LG Electronics, utilizing the combined resources and technologies of both companies to create a better life and society.

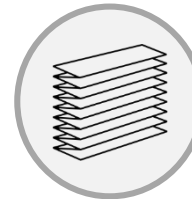
▪ Description

Seat-type Air Purifier

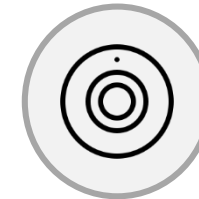


Ensure a comfortable in-cabin environment by eradicating harmful bacteria, viruses, and unappealing odors.

▪ Key Features



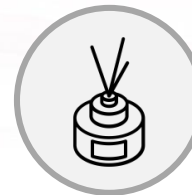
Grade 13
HEPA Filter



PM 1.0
HLDS Sensor



UV
Sterilization



Diffuser



4-ch Display

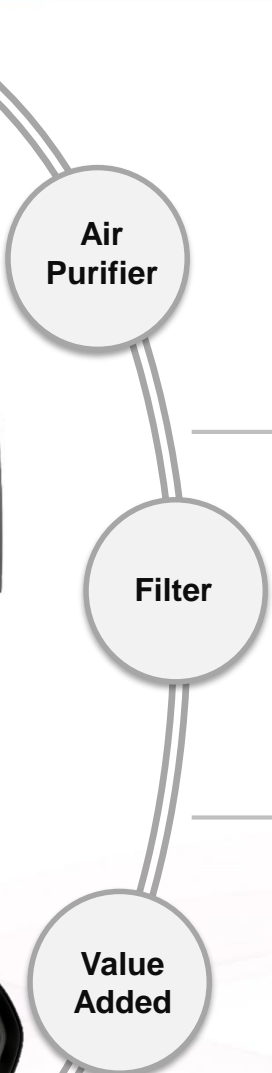


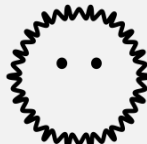


Eco-friendly

Type 1. Seat-back






Type 2. Armrest



CADR/ PM1.0  Remove PM 1.0 Particles	Exclusive Dust Sensor  Quickly detect particles	UV Sterilization  Eliminate harmful bacteria, virus and substances
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Grade-13 HEPA Filter  New high-efficiency purification	Eco-Friendly  500-hr Cleaning Cycle, Longer Filter Life	Multiple-Layer Filter  Thoroughly absorb micro particles
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USB PD  Fast-charging Power Port (Option)	Diffuser  Pleasant Aroma for Relaxation	Display  4-ch indicators
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▪ Seat-type Air Purifier

The air purifier at the back of the seat provides clean air for all passengers and the driver.

Hitachi-LG Dust Sensor
ultrafine particle detection

Grade -13 HEPA Filter
The eco-friendly filter has the longest lifespan.

Display
4-channel indicators for in-vehicle air pollution

Diffuser
Experience the ultimate relaxation with a pleasant aroma

USB PD
a 60W power delivery port for fast charging of mobile devices and laptops.

USB-PD (Option)
1) USB-C only
2) USB-A / USB-C
3) USB-A / USB-C / LED

Suitable for medium or large vehicles

▪ Armrest-type Air Purifier

An armrest or console air purification system is effective for compact vehicles.

Armrest Type



Easy Installation

Easy attachment and detachment



Suitable for compact vehicles

< Console Type >



Customizable Design

Customize based on vehicle type

▪ Concept

Name	<ul style="list-style-type: none"> Seat-type Air Purifier
Air Purifier Spec	<ul style="list-style-type: none"> Operating Temperature: -20°C – 80°C (Dust sensor: -10 – 60°C, FAN: -10 – 70°C) Input voltage: 9V – 16V /7A (Including USB-PD 5A) Product Exterior size(T.B.D): Customizable Design(T.B.D): Customizable or default design Air Cleaning Efficiency: 95% <ul style="list-style-type: none"> - within 25 min (2m³ indoor standard) – Seat-back - within 25 min (1m³ indoor standard) – Armrest Noise: Max 50dB (25dB environment, Measured at a distance of 80cm) Communication type: RS422 / CAN / Standalone Display: size & channel button: Customizable
Production	<ul style="list-style-type: none"> Regional supply network MP-ready: M+8months (after design confirmation)

Product image (Seat-back type)





USB-PD variant option
1) USB-C only : Max 45W
2) USB-A / USB-C : Max 60W



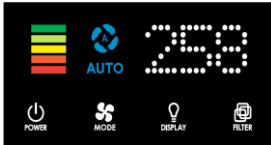
USB PD Option → Type C only is a standard variation

Seq	Item	Spec	Unit
1	Capacity	Type-C : Max 45	W
2	Input Current	5	A
3	Input Voltage	9V– 16V	V
4	Output Voltage	Type-C : 5/9/12/15/20	V
5	Watt	- 45W 20V/2.25A, 15V/3A - 36W 12V/3A - 27W : 9V/3A - 15W : 5V/3A	W

▪ Main Features

Item	Description	
	Armrest type	Seat-back type
Image		
Air Clean	95% dust removal within 25 min (1m ³ indoor standard)	95% dust removal within 25 min (2m ³ indoor standard)
Dust Sensor (Exclusive)	PM1.0	
Filter	HEPA Filter (Grade 13)	
Mode	5 mode (Auto / 1 / 2 / 3 / 4)	
Noise	Max 50dB	
Filter cleaning cycle	500 hrs	
Support	PM1.0	○
	Formaldehyde	○
	Benzene	○
	Nicotine	○
	Staphylococcus	○

▪ Optional Feature

Item	Variant 1	Variant 2	Variant 3	Variant 4
Display	No Display	Display only	1 Touch Channel	4 Touch Channel
	/			
Communication with AVN	RS422 / CAN / Standalone			
Diffuser	Yes / No			
UVC-LED	Yes / No			
USB PD	Yes / No (USB-C only, USB-A / USB-C, USB-A / USB-C / LED)			

03 | Product Specification

Item	Hitachi-LG	Competitors
Image		
Model	HL Model for H/K Company	G Model for H Company
Air Quality information	Support (AQI value)	Not support
USB-PD	Support (45W)	Not support
UVC Sterilizing	Support (Filter Sterilizing)	Not support
Communication with AVN	Support (HS-CAN)	Not support (Standalone)
Diffuser	Support	Not support
Display size	Big (LED Matrix)	Small (Segment)
Touch CH	4CH	1CH
Mode	5 modes (Auto / 1 / 2 / 3 / 4)	2 modes (Auto / Turbo)
Filter cleaning cycle	500 hrs	360 hrs
Dust Sensor	3 Particulate Types (PM1/PM2.5/PM10)	2 Particulate Types (PM2.5/PM10)

04 | Default Design (Customizable)

Design 1.



Design 2.



Design 3.



Design 4.



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H·L Data Storage
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PRODUCT

ABOUT US

NEWS

SUPPORT

English

Car Solution

We have integrated cutting-edge power and sensor technologies to provide convenient and safe features that enhance the driving experience. Our line-fit UV sterilizing wireless chargers and air purifiers are designed to complement the modern look of your vehicle models.