CloudCAN

The Edge computing company

ABOUT COMPANY

CLOUD CAN TECHNOLOGIES PRIVATE LIMITED was established in Sept 2013 as a Cloud and Edge computing solution provider, however due to the changing built environment and the growing needs of our Clients; it became necessary to broaden the services that could be provided by us, so as to offer complete IT solution including hardware and software together under one place. CLOUDCAN has started own manufacturing factory to provide complete electronic/digital hardware solution to its customers.

CLOUD CAN TECHNOLOGIES , founded in 2013, with the spirit of innovation, improvisation and goal of excellence, is fast growing in the software and IT hardware industry with its expert and accurate product line and services which emphasizes commitment and the philosophy of excellence. With headquartered in Bangalore, CLOUDCAN boasts of employing some of the brightest and the most intelligent graduates of modern and contemporary technology.

We're a young company both in its vision, instinct and its composition. We believe in innovations as much as we believe in ourselves and our mission of bringing up solutions to problems yet unsolved. We have come up with a product line which banks upon our intensive research and services which epitomizes our responsibility and commitment and our philosophy of excellence.

Cloudcan Milestone

Edge computing AI accelerated sensor hub launched
2023

Magicstick one+ and Edge Model launched
2021

CLOUDCAN TE launched
2019

2022

AI embedded computer with 100 Tera flops launched

2020

DCOS OS Launched

Deskpod PC Launched

2016

2018

Own SMT Factory started

CLOUD CAN TECHNOLOGIES established
2013

2015

Cloudcan and Magicstick smallest pc launched

A leader in the field of edge computing is Cloud Can Technologies Private Limited. We are expert of HDI PCBA design and manufacturing along with system software. We have created DCOS (Decentralized Cloud OS), the first software-defined decentralized edge operating system ever. Our goal is to use edge computing to completely transform how infrastructure is distributed and managed. We offer low latency, affordable deployment, and effective management of edge devices and applications with our cutting-edge solutions.
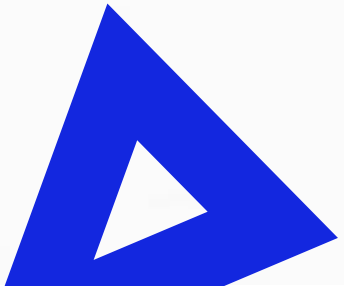
PRODUCT/SERVICES

Mini PC & Industrial computer	Pluggable PC stick	Edge computing Appliances
• Deskpod Cube	• Magicstick One	• CloudCAN Edge X
• Deskpod NUC	• Magicstick One+	• CloudCAN Edge Pro
• Deskpod IDEM	• Magicstick Edge	• CloudCAN Edge TE

Deskpod

www.deskpod.in

WHY DESKPOD

- ❑ **Rough and Tough (Kids Friendly, and Ants & insects safe):** This is the most robust computer ever designed. It keeps on running without getting hanged even after it will fall off from your table or thrown by your kid at floor. It doesn't get damaged even if it falls from first floor of your apartment building. There is no device built ever with this robustness. Your existing desktops, laptops all will go for a toss even if will fall from your table. We proudly announce that Deskpod is the only gadget that is 100% kids safe. Deskpod needs to be protected from water and fire only.

- ❑ **The Desktop in your pocket:** Deskpod is the **revolutionary desktop computer** designed in such a way that it slips into your pocket **without compromising on performance** as a Desktop PC.

- ❑ **Desktop with Fastest/Latest new generation electronic memory and storage:** Desktop is built with the faster and latest ssd based storage, and LPDDR4 RAM, and latest Intel 11th Gen Processor with 16 to 32 core GPU. The memory used in Deskpod has higher I/O – atleast 100 times that of the hard disks. So, it's faster.

- ❑ **Least boot time among all existing devices (as compared to laptop, existing desktop,):** Deskpod takes less far less time (6 to 8 seconds) to boot windows 10. This is because of the higher I/O of the storage used in Deskpod.

- ❑ **World's best Power Saver Desktop:** Deskpod runs on 5 to 7 Watts of power, you can save enough electricity bill to recover your investment in Deskpod within 8 to 10 Months of using it. It will in fact start paying you back later. Thus it becomes free to you for lifetime.

- ❑ **Maintenance Free Desktop:** Deskpod is a maintenance free desktop. You don't have to trouble shoot for SMPS failures, RAM slot dust cleaning on regular interval, no need to check HDD and other cables, and no need to maintain the processor's or other fans in it. Deskpod comes without fan in it. It doesn't have any mechanical components in it. So, It's maintenance free.

- ❑ **Noiseless Desktop computer:** Deskpod doesn't have fan or hard disk based storage in it, so, there is no noise at all.

- ❑ **Easier to recover data on s/w failures:** It's quite easier to recover the data on OS or any s/w failures. Deskpod comes with a RESET button on its mother board itself. On pressing this RESET button, you can connect Deskpod to any other computer and it will detect it as a normal Pen Drive, so the data can be copied easily and without the chance of losing it. You don't have to rush to any service center to recover or back up you data. The data can be backed up by a layman too. You don't have to be a bit technical to recover the data.

- ❑ **Specially designed smart Antenna with higher sensitivity:** Deskpod is designed with 10 Dbi gain antenna. It helps Deskpod to catch the Wi-Fi signals even if it's low. This will help users to access the internet connections at far off distance from the Wi-Fi router, and even under the basement of your apartment.

- ❑ **Data Safety:** As Deskpod doesn't contain any mechanical hard disk based storage, the data is more safer and is more reliable. You can keep all your important documents in it rather than storing it into a hard disk because if hard disk media gets damaged, the data are permanently lost. There are rare chance of data getting lost in Deskpod even if it gets damaged completely.

- ❑ **Life of Deskpod:** Deskpod has longer life as compared to laptops, other desktops. The life of a laptop and desktops are normally 2 to 3 years that means you need to replace it with new one after 3 to 4 years for sure, where as the life of the Deskpod is almost 6 to 7 years because no mechanical devices of parts are used in it. It's 100% electronic.

DESKPOD CUBE

1. Dual Display supported
2. 16GB RAM
3. WIFI6 1Gbps SPEED
4. Windows 11 pro activated

Technical Specification

Hardware Configuration			
Items	**Details**	**Descriptions**	**Details**
Product Form	Form	MiniPC (72mm x 72 mm x 45 mm)	
CPU	Type	11th/12th Gen N5105/N100 CPU	
GPU	Integrated	Intel® UHD Graphics	
RAM	Built-in	LPDDR4, 8GB/16GB	
Storage	Built-in	M.2 2242 SATA/NVMe	Up to 2TB
Bettery	RTC	CR2032	
TPM	Built-in	Firmware TPM2.0	
Wi-Fi	Built-in WIFI6	Intel AC7265/2.4G/5G,WiFi 802.11ac/a/b/g/n	
BT		Intel AC7265/BT5.0	

Ports		
Items	**Details**	**Descriptions**
LED indicator	Power	Blue
Button	Physical buttons	Power
Adapter	Power input	type-C 12V/3A
USB Port	Data transmit	USB3.0*3
Type-C	Type-C	type-C USB （USB3.0/PD)*1, 12V/2A
Earphone Jack	Audio output	ϕ3.5mm, CTIA
HDMI	HD Video output	Support, HDMI*2, Support 4K 60HZ
M.2 Interface		Support, M.2 2242 SSD

System		
Items	**Details**	**Descriptions**
OS	Windows , Linux and Android support	Windows 10/Windows11/Ubuntu

DESKPOD NUC

LED*2

On/off

TYPE-C
Tunderbolt 4

USB2.0*2

Microphone

Speaker

DP(4K@60Hz)

HDMI*2 (4K@60Hz)

USB3.0*4

Network port

DC IN

Processor	11th/12th gen Core i5/i7	
Memory	Dual DDR4 Slot	
Graphics	Iris Xe Graphics	
Display	1*mini DP 1.4(4K@60Hz) and 2*HD 2.0(4K@60Hz), for 3 screens video display synchronously and asynchronously	
Network	1 x RJ45 Gigabit LAN Support PXE and RTC and wake on LAN	
Storage	1*M.2 2280 NVME/PCIE3.0x4/SATA SSD+1*2.5'' SATA HDD/SSD	
Wifi	Support M.2 2230 2.4G/5G Dual band AC(AX) WiFi/BT	
USB	4 x USB3.0, 2 x USB2.0, 1 x Type-C (Thunderbolt 4) Port	Support TPM2.0

Operating System	WIN 11, WIN 10, Linux
Working Temperature	-10℃~55℃
Storage Temperature	-20℃~70℃
Working Humidity	0%-95% relative humidity, no condensation.
Package Content	1xMini PC, 1xPower Adapter, 2xHDMI cable, 1xSATA cable, 1xVESA bracket
Physical Properties	Material: Brushed Aluminum Alloy housing
	Dimensions: 13.3*12.4*4.8CM
	NW:0.8Kg; GW:1.8Kg
Warranty	One year manufacturing warranty

DESKPOD IDEM

2x LAN(2.5G)
1x USB3.2
1x USB2.0
2x HDMI2.0
DC-IN
Antennas
SIM Card

Wi-Fi

Bluetooth

COM Optional

USB-C
Audio
2x USB3.2
Power Button

Processor	11th/12th Gen gen N5105/N100	
Memory	Single Channel SO-DIMM DDR4 ,Max Capacity 32Gb	
Graphics	Integrated Intel® UHD Graphics	
Display	2xHDMI2.0 plus DisplayPort 1.4 through USB-C	
Network	10/100/1000/2500 Mbps, RTL8125, 2X RJ45 , Wakeup on Lan	
Storage	1xM.2 for 2280 SATA/4G , 1x FPC SATA interface, 1xM.2 for WiFi, supports PCIe, USB&CNVi	
Wifi	Support M.2 2230 2.4G/5G Dual band AC(AX) WiFi/BT	
Other I/O	3 x USB3.2, 1 x USB2.0, 1 x Type-C full function, 1X SIM, COM Optional	Support TPM2.0

Operating System	WIN 11, WIN 10, Linux
Working Temperature	-20℃ to 60℃
Storage Temperature	-40℃~80℃
Working Humidity	0%-95% relative humidity, no condensation.
Package Content	1xMini PC, 1xPower Adapter, 1xHDMI cable, 1xSATA cable, 1xVESA bracket
Physical Properties	Material: Brushed Aluminum Alloy housing
	Dimensions: 12.7*12.7*4.6CM
	NW: 1Kg; GW:2Kg
Warranty	One year manufacturing warranty

Magicstick

www.magicstick.in

Technical Specifications

CPU	Quad Core Intel Z8350
GPU	Intel UHD Graphics 600
Memory	LowPower DDR3: 2GB/4GB
Emmc 5.1	32GB/64GB/128GB
WiFi	2.4G/5G dual-band Wi-Fi, BT4.2
Bluetooth	Bluetooth 4.2
Model	Plastic : Black Color

I/O	USB	2x USB 3.0 , 1x Micro USB, 1x Type-c full function
	1xTF CARD	Support UP TO 1 TB
	1xHDMI	HDMI 2.1 ,Support HDMI CEC, Dynamic HDR and HDCP 2.2,4Kx2K 60hz max resolution output., One display from Type-c
Power	DC 5V/3A	
OS	Windows 10/11 Pro Activated	
weight	70 grams	
Dimension	116 mm x 47 mm x 13 mm	
Package dimension	16X9X7 cm	

Technical Specifications

CPU	Quad Core Intel Celeron J4125 upto 2.7 GHZ
GPU	Intel UHD Graphics 600
Memory	LowPower DDR4: 8GB
Emmc 5.1	128GB/256GB
WiFi	Intel 7265AC 2.4G/5G dual-band Wi-Fi, BT4.2
Bluetooth	Bluetooth 4.2
Model	Plastic : Black Color

	USB3.0	2x USB 3.0
I/O	1xTF CARD	Support UP TO 1 TB
	1xHDMI	HDMI 2.1 ,Support HDMI CEC, Dynamic HDR and HDCP 2.2,4Kx2K 60hz max resolution output.
Power	DC 5V/3A	
OS	Windows 11 Pro Activated	
weight	84 grams	
Dimension	135x45x15mm	
Package dimension	16X9X7 cm	

Cloudcan

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OUR CLOUDCAN EDGE APPLIANCES

CloudCAN Edge X

It is made for consumer to reduce latency to mobile phone and give edge power to everyone.

CloudCAN Edge Pro

It is made for Smart home and smart offices/industry solution. It is very powerful to fulfil the need of smart IOT at any place.

CloudCAN Edge TE

It is made for 5G Telecom tower to make ready edge computing services for Telecom companies. Telecom companies can easily offer value added edge services to their customers.

Our Edge computing appliances are built with latest innovative technologies and covering entire use cases of Edge computing.
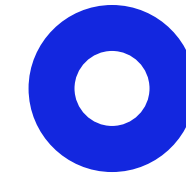
PROBLEMS

- Huge Data transfer from edge to central cloud which create bandwidth bottleneck and high latency for Critical applications like VR, Gaming, Runtime appliances monitoring etc

- The edge for maintaining hardware and software lacks qualified IT personnel.

- Between edge- and cloud-native application infrastructures, there is incompatibility.

- Managing geographically dispersed infrastructure at scale presents difficulties.
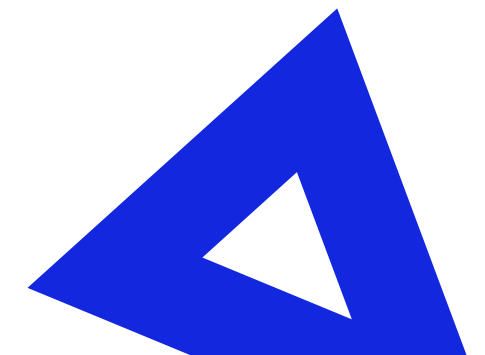
SOLUTION

- Creation of DCOS, the first software-defined decentralized edge operating system in history.
- A developer portal, on-premise appliances, and an IDE (Integrated Development Environment) are all provided as part of an edge computing ecosystem.
- Edge application publishing and deployment marketplace for developers.
- Deployment and management of infrastructure that is geographically dispersed more easily.
- Supplying a user-friendly and decentralized cloud operating system to close the skills gap.
- AI , Machine Learning, Deep Learning algorithm on Cloudcan Edge, Hence no need to send huge data to central cloud for processing.

Salients Features

Cloudcan Edge is unique, portable and robust device hosting our DC OS.

up to 1 PENTABYTES of Data storage

Now cloud is in your bag or in your pocket.

upto 1000 core CPU

Massive computing can let you do many apps at once and Big data analytics easy.

upto 100 million neurons and 100 TFS NN processing

AI supremacy is extreme need of Edge Computing.

High speed WIFI 6 Network

Low cost IOT and AIOT wireless devices

5G Cloud Radio

Cloudcan Edge support 5G LTE , you can access very high speed internet on it.

8K smooth video and Game streaming

Stream 8K resolution video and games at very less latency.

AR and VR Applications

Run AR and VR app on Cloudcan Edge

Local cloud Apps

You can install cloud App on Cloudcan Edge

UNIQUE SELLING POINT

- The first decentralized, software-defined edge operating system is called DCOS.
- Comprehensive ecosystem for the management and development of edge computing.
- Edge device and application deployment and management made easier.
- Cloud and edge infrastructure fusion.
- Empowering people and companies with edge computing's advantages.
- We also reducing carbon footprint by low powered devices which can run on renewable energy.
- Deploying 100k our edge devices can save 2 Megawatt power hence no need to generate electricity by a thermal power plant.
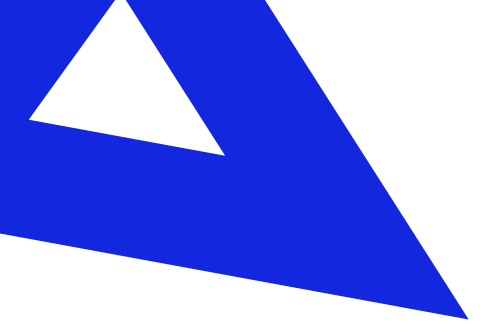
SOME OF OUR CUSTOMERS

And Many More ....

Our Partners

Our Team

Founder	**Ambuj Kumar -** An alumnus of IIT Kharagpur. he has created software products like AntiSpam engine of XeroSpam, UTM which are deployed at large government organizations like Council of Scientific and Industrial Research (CSIR). Has worked extensively on cloud technologies and various Artificial Intelligence Projects. Prominent speaker on cloud technologies at IITs and other tech platforms. One of the pioneers of mobile apps in India. Chief Architect and designer of Decentralized Cloud OS
Co-Founder	**Anand Maliwal -** MBA (Systems) from NMIMS (Mumbai), BE from K J Somaiya. Worked with technology giants such as Cognizant at Japan and UK. Currently, CTO of a large financial services firm where he has introduced innovative trading products and has developed algorithmic trading platforms. Expert in cloud technology deployment.
Co-Founder	**R. Ranjan** – An alumnus of IIM Calcutta and St. Stephen's (Delhi). Has worked with Q Investments (a Texas based USD 3.5 bn multi-strategy fund) and IDFC (principal investments) with a successful track record of investments, strategic alliances and profitable exits.

VISION

Our goal is to establish ourselves as a leader in edge computing solutions by promoting the use of decentralized cloud operating systems, democratizing access to edge computing tools, facilitating the creation of cutting-edge edge-native applications, and fostering a strong and interconnected ecosystem of edge hardware and software.

MISSION

Our goal is to provide businesses and individuals with the advantages of edge computing by making it easier to develop and deploy edge applications, bridging the skills gap with a decentralized cloud operating system, making it possible to manage geographically dispersed infrastructure with ease, and encouraging the development of IoT, machine learning, and data processing at the edge.

CONTACT US

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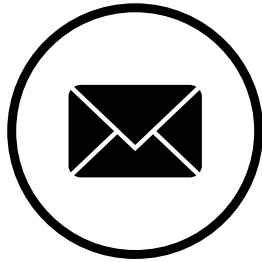
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Thank You