

KNERON-KNEO350-001

KNEO350 Specification

KNEO350

info @ kneron.us



Copyright Notice

©2024 Kneron Inc. All rights reserved. This material and documentation contain confidential and proprietary information that is the property of Kneron Inc. The material and documentation are furnished under a license agreement and may be used or copied only in accordance with the terms of the license agreement. No part of the material and documentation may be reproduced, transmitted, or translated, in any form or by any means, electronic, mechanical, manual, optical, or otherwise, without prior written permission of Kneron Inc., or as expressly provided by the license agreement.

Export Control Statement

All technical data contained in this publication is subject to the Taiwan export control laws, and may be subject to export or import regulations in other countries ("Export Law"). Disclosure to nationals of other countries contrary to Export Law is prohibited. It is the reader's responsibility to determine the applicable regulations and to comply with them.

Trademarks (™)

KNERON is a trademark of Kneron Inc.

ARM® and AMBA® are registered trademarks of ARM® Limited.

All other product or company names may be trademarks of their respective owners.

San Diego HQ
10052 Mesa Ridge Court, Suite 202,
San Diego, CA 92121, U.S.A.
<https://www.kneron.com/en/>

Taipei Office
12F-1., No. 386, Sec. 6, Nanjing E. Rd.,
Neihu Dist. (114), Taipei City, Taiwan, R.O.C.
<https://www.kneron.com/tw/>

Overview

The KNEO350 is part of Kneron's edge AI server product line, designed to bring private, on-device Generative AI capabilities to the edge computing environment. It's positioned as a solution for enterprises looking to implement AI processing locally while maintaining data privacy and security.

Key Features

The KNEO350 series, along with the KNEO330, represents Kneron's latest advancement in edge AI computing technology. These devices are designed to enable real-time video processing and Gen-AI applications without requiring cloud connectivity, emphasizing on-device computation for enhanced privacy.

Hardware Specifications

Parts	Description	Quantity	Note
CPU	AMD EPYC 8124P	*1	
Main Board	AMD EPYC 8004 ATX	*1	
Rear IO	2 x USB 3.2 Gen 1		
	1 x VGA		
	1 x COM		
	2 x 10 GbE ports		
	2 x GbE ports		
	1 x GbE dedicated for IPMI		
	1 x ID button		
System DDR Size	32GB	*2	
GPU	RTX 5060 TI	*4	
AI Computing Unit	KLC730 USB dongle	*1	
Storage	NV-SSD 2TB	*1	
Network	Default configuration includes 2x Gigabit Ethernet (please refer to the "Rear IO" row)	*1	Optional 100Gb network card (fiber) available for applications requiring higher network throughput
Power	Platinum 1300W+1300W 2U CRPS Redundant Power Supply	*1	
Certification	CE and FCC		
Warranty	Whole system: 2 years Key components (GPU, Main Board, DDR module, CPU): 3 years		
Operating System	Ubuntu Linux		
Size	482*650*178 mm (4U rackmount)		
Weight	16.8kg		

