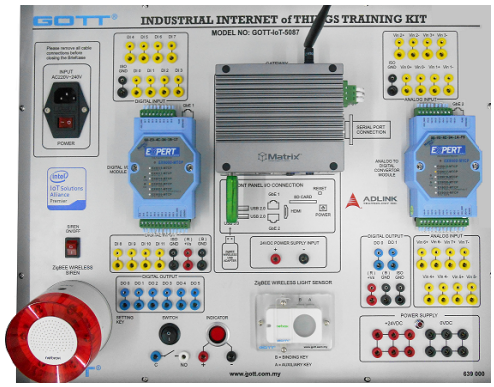
INDUSTRIAL INTERNET of THINGS TRAINING KIT

Model Number : GOTT-IoT-5087



INTRODUCTION

Industries are entering a new era as the IoT provides devices worldwide containing embedded technology with seamless connection, management, and secure interaction. Industrial IoT (IIOT) describes machine-to-machine (M2M) communications wherein machines interact and communicate with other machines, objects, environments and infrastructures. As a result of these communications, huge volumes of data are intelligently generated, with the data processed and analyzed, resulting in meaningful and timely action for management and control. The increasing trend towards Industrial IoT is transforming industries, increasing efficiency and optimizing operations.

ADLINK uses the robust hardware and software stack of Intel® Gateway Solutions for the Internet of Things to empower industries with connection of legacy infrastructure. Accordingly, companies can collect and analyze data to enable greater operational efficiency, big data solutions, and new services for business transformation .

ADLINK's advanced IoT offers a full range of solutions covering devices, gateways, and network infrastructure, creating application-ready intelligent IoT solutions and services for strategic development of IoT innovations.

Wind River® Intelligent Device Platform XT is used to customizable middleware development environment that provides security, connectivity, rich networking options, and device management. It Simplifies the development, integration, and deployment of gateways for the Internet of Things.

PRODUCT SPECIFICATIONS :

Model	GOTT-IoT-100i	GOTT-IoT-200	GOTT-IoT-200i
• PROCESSOR	Intel® Quark ™ SoC XI02I	Intel® Atom ™ E3845 Quad Core Processor	Intel® Atom ™ E3826 Dual Core Processor
• VIDEO		I x HDMI	
• MEMORY	DDR3 800/GB	DDR3L 1066 2 GB (Memory Down)	
I/O INTERFACE			
• INTERNET	2 x 10/100 LAN	2x GbE LAN (Intel®I2I0T)	
• SERIAL PORTS	2x COM (1 x RS232 + RS232/422/485)		
• USB	3 x USB 2.0 host port	2x USB 2.0 host port + 1 x USB 3.0	
• DIO		Optional 4x Isolated DI + 4x Isolated DO	
EXPANSIONS			
• MINI PCIe	2x PCIe Mini Card Slots		
• USIM	1x USIM Slot		
MANAGEABILITY			
• ² 5¢	Watchdog Timer Support		
• {9a !	SEMA support with BMC		
th ² 9w {¦tt[¸			
• 5/ LyLJdzű	c π oc ±5/		
• ! / LyLJdzű	hLJűλ2yl·f yл ² ! /π5/ l·ŘI·LJűŜN	hLJűλ2yl·f пл ² ! /π5/ l·ŘI·LJűŜN	
{¢hw!D9 59±L/9			
• Y{!¢!		mÈ Y{!¢! ó ăl·YŜ ăt2ű ø λűK Y t /LŜ	
• {5	1 x SD Card Slot (up to 16GB SDHC)	1 x SD Card Slot (up to 16GB)	
• h{ tw9[h!5			Wind River®IDP XT 2.0
a9/I!bL/![			
• DIMENSIONS	120 (W) x 100 (D) x 55 (H) mm (4.68" x 3.9" x 2.17")		
• CONSTRUCTION	Full Aluminum Alloy		
ENVIRONMENTAL			
• OPERATING TEMPERATURE	Standard: 0ºC to 50ºC Extended temperature option:-20ºC to 70ºC w/ industrial Grade SD	Standard: 0ºC to 50ºC Extended tempoption: -20ºC to 60ºC w/ industrial Grade SD/mSATA	Standard: 0ºC to 50ºC Extended tempoption: -20ºC to 70ºC w/ industrial Grade SD/mSATA
• OPERATING TEMP.	-20ºC to 60ºC		
• HUMIDITY	-95% @ 40ºC (non- condensing)		
• VIBRATION	Operating G_{rms}, , 5-500Hz, 3 axes with SD	Operating G_{rms}, , 5-500Hz, 3 axes with SD/mSATA	
• ESD	Contact +/- 4 KV, Air +/- 8 KV		
• SHOCK	Operating 100 G, half sine II ms duration w/SD	Operating 100 G, half sine II ms duration w/ SD/mSATA	
• EMC	CE & FCC Class A	CE & FCC Class A (EN61000-6-4/EN61000-6-2)	
• SAFETY	UL by CB		

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OPTIONAL ACCESSORIES

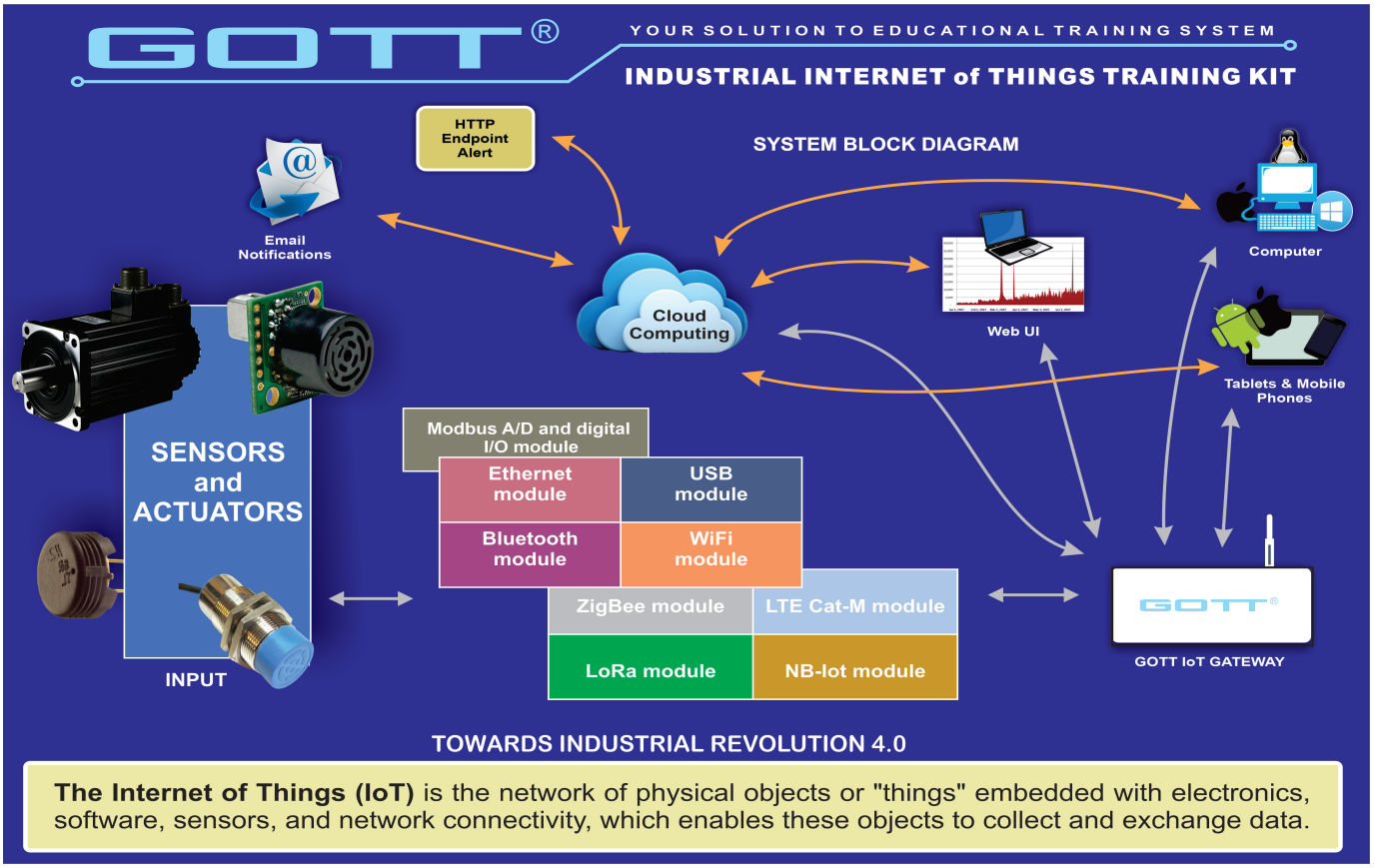
• 8/16 GB SD Option	Factory Installed 8/16 GB MLC type Industrial grade SD (-20°C to 85°C) (-4°F to 185°F)	
•32/64GB mSATA SSD		Factory Installed 32/64 GB MLC type Industrial grade mSATA(-40°C to 85°C) (-40°F to 185°F)
• AC ADAPTER	80W Industrial Grade AC-DC Adapter	40W Industrial Grade AC-DC Adapter
• WIRELESS MODULE	WiFi/BT/3G wireless modules	

SOFTWARE SUPPORT

• OS INFORMATION	Wind River® IDP XT 2.0	Windows Embedded 7 Standard	Windows Embedded 7 Standard Wind River® IDP XT (MXE-200 only)

APPLICATIONS

- Industrial Automation
- Machine Automation
- In-Vehicle / Transportation
- Machine to Machine Communication
- Facility /Residential Security & Automation
- Internet of Things / Machine to Machine Gateway



Manuals :
(1) All manuals are written in English
(2) Model Answer
(3) Teaching Manuals

General Terms :
(1) Accessories will be provided where applicable.
(2) Manual & Training will be provided where applicable.
(3) Design & specifications are subject to change without notice.
(4) We reserve the right to discontinue the manufacturing of any product.

Warranty :
2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
INDUSTRIAL INTERNET of THINGS TRAINING KIT	GOTT-IoT-5087	639-000

* Proposed design only, subject to changes without any notice.