

ITCS-100-H81 Toll Gate Device Control System



Features

- Intel® Core™ i5-4570TE CPU dual-core 2.7 GHz or Intel® Celeron® Processor G1820TE dual-core 2.2 GHz
- 9~36 V DC input
- 4 x RS-232, 4 x RS-232/422/485
- 1 x VGA, 1 x DVI-D
- 2 x 3.5" SATA 6Gb/s HDD drive bay
- 24 x DIO



Specifications

Model Name		ITCS-100-H81-C/4G-R10	ITCS-100-H81-i5/4G-R10
Chassis	Color	Black	
	Dimensions (WxHxD) (mm)	310 x 112.8 x 200	
	System Fan	Fanless	
	Chassis Construction	Extruded aluminum alloy	
Motherboard	CPU	Intel® Celeron® G1820TE Processor (dual-core 2.2 GHz, 35W TDP)	Intel® Core™ i5-4570TE Processor (dual-core 2.7 GHz 35W TDP)
	Chipset	Intel® H81	
	System Memory	2 x 204-pin DDR3 SO-DIMM 4GB pre-installed (system max 32GB)	
Storage	Hard Drive	2 x 3.5" HDD bay SATA 6Gb/s	
	Flash	2GB on-board flash	
I/O Interfaces	USB 2.0	4	
	Ethernet	2 x RJ-45 connector 1 x PCIe GbE by Intel® I211AT 1 x PCIe GbE by Intel® I210AT	
	COM Port	4 x RS-232 + 4 x RS-232/422/485 (SCSI type, 4 x RS-232/422/485 with isolated)	
	Digital I/O	1 x D-SUB 25 pin connector 24-bit digital I/O (12-bit input / 12-bit output)	
	Display	1 x VGA + 1 x DVI-D	
	Resolution	VGA: Up to 1920 x 1080@60Hz DVI-D: Up to 1920 x 1080@60Hz	
	PS/2 (KB/MS)	1 x KB, 1 x MS	
	Audio	1 x Line-out + 1 x Line-in	
	TPM	1 x 20-pin LPC	
	Expansions	PCIe Mini	1 x Full-size PCIe Mini (for E-window)
LED Indicator & Button	Button	1 x Power button, 1 x Reset button	
	Indicator	1 x Software LED, 1 x HDD LED, 24 x DIO, 8 x COM port	
Power	Power Input	DC jack : 9V~36V DC	
	Consumption	12V @ 5A (Intel® i5-4570TE with 4 GB DDR3 memory)	
Reliability	Mounting	Wall mount	
	Operating Temperature	-20°C ~ 55°C with air flow	
	Storage Temperature	-30°C ~ 70°C	
	Humidity	10% ~ 90%, non-condensing	
	Operating Shock	Half-sine wave shock 5G, 11ms, 3 shocks per axis	
	Operating Vibration	MIL-STD-810G 514.6C-1	
OS	Weight (Net/Gross)	6.36 kg/9.2 kg	
	Safety/EMC	CE/FCC	
	Supported OS	Microsoft® Windows® Embedded 8, Microsoft® Windows® Embedded Standard 7 E, Linux (Ubuntu)	
	Watchdog Timer	Software programmable supports 1~255 sec, system reset	

1 IEMobile Solutions

2 Automation Panel Solutions

3 Healthcare Panel PC Solution

4 Industrial System

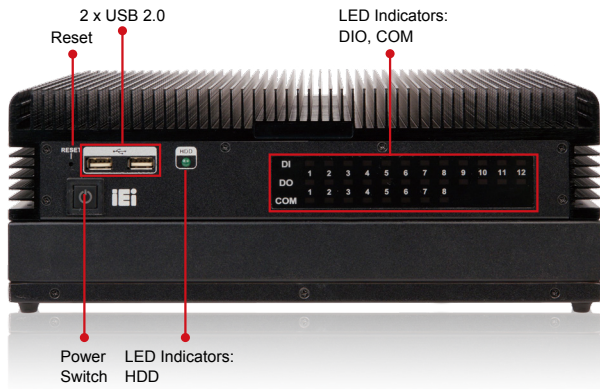
5 ORing Network Communication

6 Automation Control

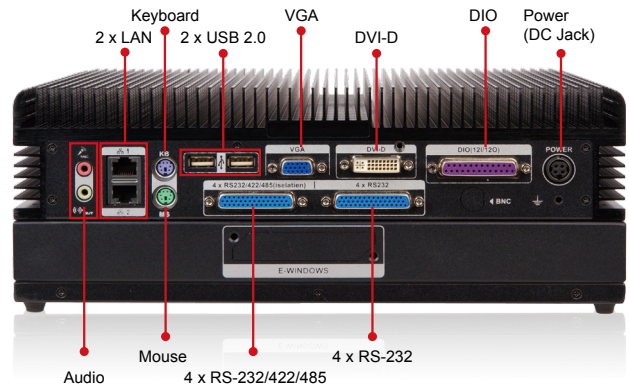
7 Optional Peripherals

Fully Integrated I/O

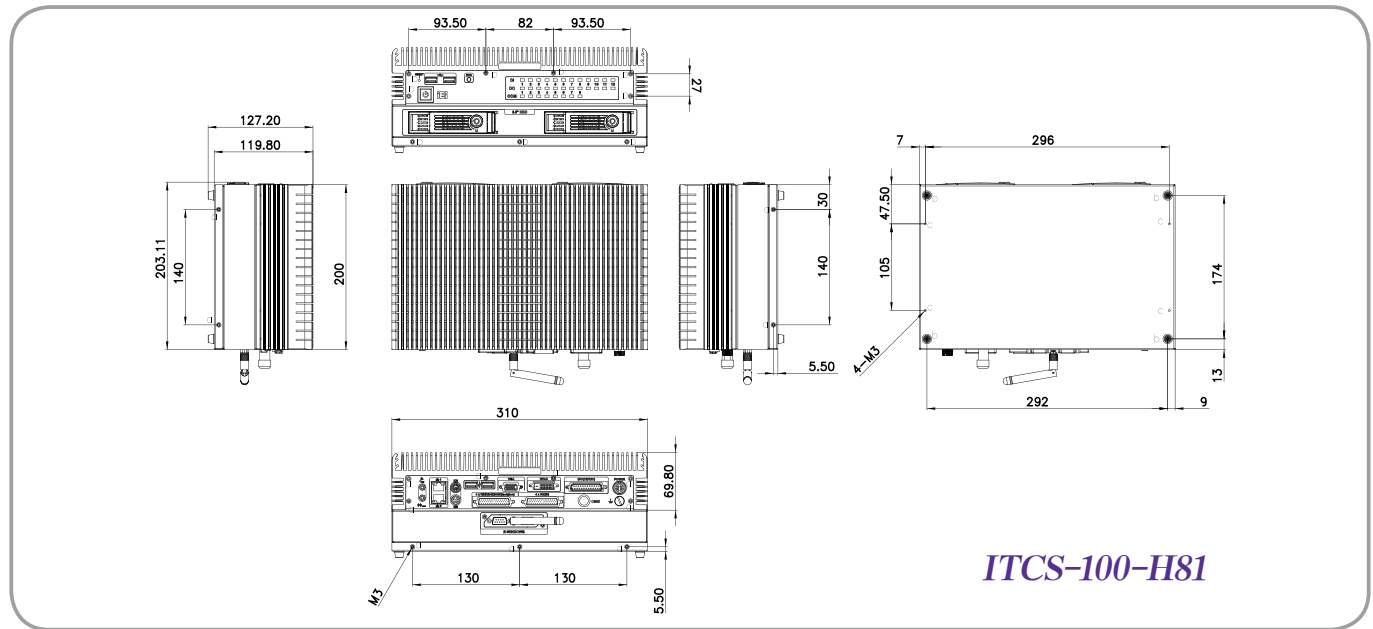
Front view



Rear View



Dimensions (Unit: mm)



ITCS-100-H81

Ordering Information

Part No.	Description
ITCS-100-H81-i5/4G-R10	Fanless embedded system with Intel® H81 chipset, Intel® Core™ i5-4570TE Processor dual-core 2.7 GHz, 35W TDP, 4GB DDR3L pre-installed memory, RS-232/422/485, 24-bit DIO, E-windows, two 3.5" removable SATA HDD bays, RoHS
ITCS-100-H81-C/4G-R10	Fanless embedded system with Intel® H81 chipset, Intel® Celeron® Processor G1820TE dual-core 2.2 GHz, 35W TDP, 4GB DDR3L pre-installed memory, RS-232/422/485, 24-bit DIO, E-windows, two 3.5" removable SATA HDD bays, RoHS

Packing List

Item	P/N	Qty	Description
DIO cable	32031-000200-100-RS	1	DIO cable, round cable, 3, 1500 mm, 26AWG, (A)D-sub 25-pin male *3, one piece package with label, RoHS
DB-44 to quad DB-9 cable	32005-003300-100-RS	1	RS-232/422/485 cable, round cable, 5, 1500 mm, 28AWG, (A)D-sub 44-pin male, (B)D-sub 9-pin male *4, one piece package with label, RoHS
DB-44 to quad DB-9 cable	32005-003400-100-RS	1	RS-232/422/485 cable, round cable, 5, 1500 mm, 28AWG, (A)D-sub 44-pin male, (B)D-sub 9-pin male *4, one piece package with label, blue, RoHS
One Key Recovery CD	7B000-001169-RS	1	DVD-ROM Disk, v1.6, One Key Recovery (supports SkyLake, Braswell), RoHS
Utility CD		1	User manual and driver CD

Options

Item	Part No.	Description
Power adapter	63040-010090-101-RS	Adapter Power, FSP, FSP090-DIEBN2, 9NA0904739, Active PFC, Vin:90~264VAC, 90W, Plug=6.5mm, Cable=1500mm, Erp(NO LOAD 0.5W), Vout:19VDC, Din 4Pin/lock, CCL, RoHS
Power cord	32702-000400-200-RS	Power cord, European code (VDE), 2, 1800 mm, (A)Plug: SH-025 (16A/250V), (B)Connector: SM-112 (2.5A/250V), Self-Man, CCL, RoHS
OS:Windows Embedded 7	ITCS-100-H81-WES7E64-R10	OS Image with Windows® Embedded Standard 7 E 64-bit for ITCS-100-H81, with DVD-ROM, RoHS
OS:Windows Embedded 8	ITCS-100-H81-WE8E64-R10	OS Image with Windows® 8 Embedded 64-bit for ITCS-100-H81, with DVD-ROM, RoHS