ICS-6280

DIN Rail Industrial-Grade Network Appliance with Intel Atom® Processor X Series

Front View

Rear View

DIN-Rail Mount

Features

- **Intel Atom® Processor X Series, Intel® Pentium®/Celeron® N and J Series Processor, 2~4 cores**
- **10/100/1000Base-TX Ethernet x 4**
- **Supports up to 2 Pairs LAN Bypass (Optional)**
- **260-pin DDR4 3200MT/s SODIMM with IBECC support x 1**
- **Mini Card Socket x 1, Micro SIM Socket x 1**
- **9~48Vdc power redundancy input with Terminal Block x 2**
- **2.5" SATA SSD x 1**
- **COM x 2 (COM 2 with isolation) with ESD Protection**
- **HDMI x 1, USB 3.2 x 2, VGA x 1**
- **Wide-Temp -40°C ~ 75°C Fanless Solution**

DDR **4**　　USB 3.2 Gen 1　　1000 Giga LAN　　C E　　FC

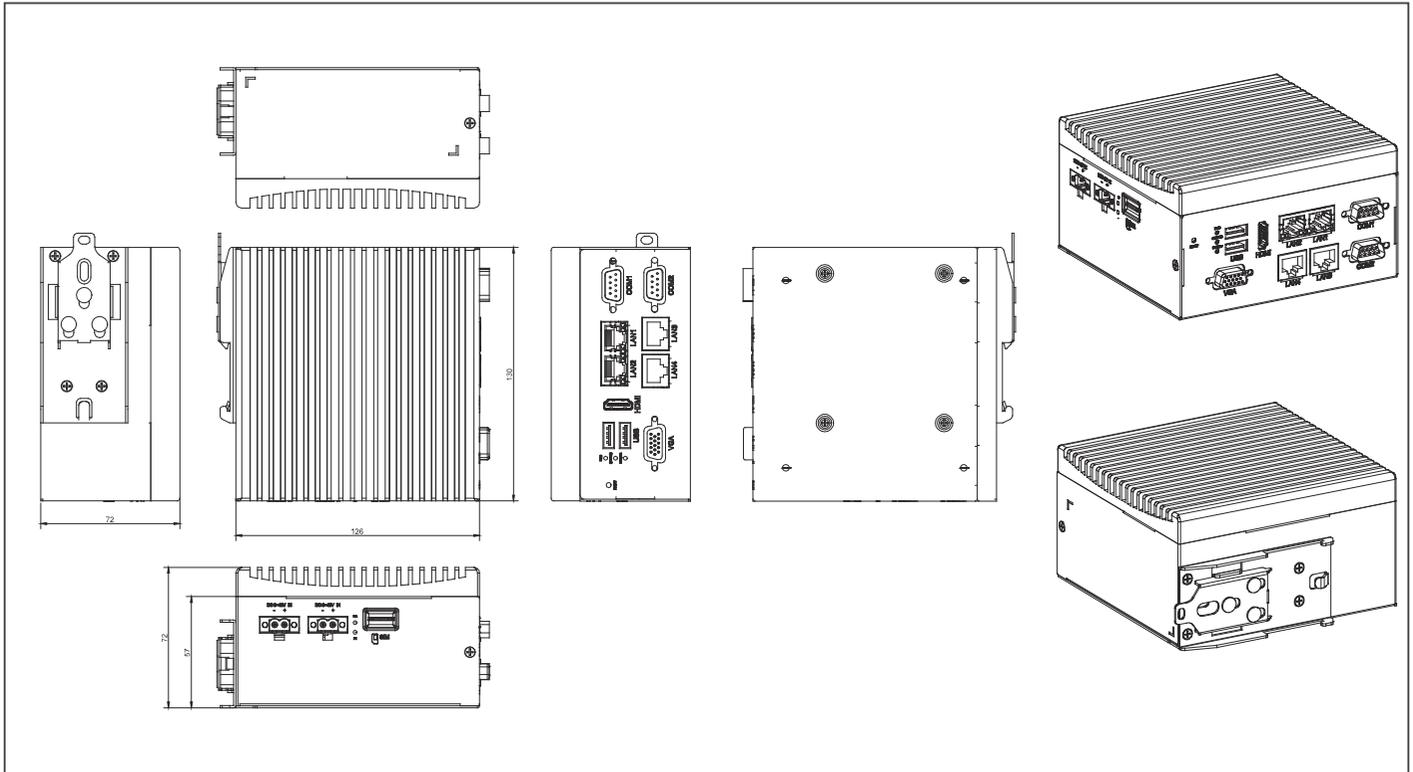| RTC	Internal RTC
System Fan	Fanless
Color	Black
Power Supply	Dual 2-Pin Phoenix terminal block
Dimension	5.12" x 4.96" x 2.83" (130mm x 126mm x 72mm)
Power Requirement	Redundant 9~48Vdc power input
MTBF (Hours)	TBD
Display	
Chipset	Intel® HD Graphics
Interface	HDMI port x 1, VGA port x 1
I/O	
Front I/O Panel	RJ-45 GbE x 4 RS-232/422/485 COM Ports x 2 HDMI portx1 VGA port x 1 USB 3.2 Gen 1 x 2 Micro SIM slot x 1 Software programmable button x 1 Power LED x 1 HDD LED x 1 Status LED x 1
Rear I/O Panel	DIN Rail/ Wallmount Lock
Top Panel	2-Pin Terminal Block +9~48VDC x 2
Environmental Parameters and Dimension	
Operating Temperature	-40°F ~ 167°F (-40°C ~ 75°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	10% ~ 80% relative humidity, non-condensing
Storage Humidity	10% ~ 80% @40°C; non-condensing
Vibration	0.5 g rms/ 5 ~ 500Hz / operation (2.5" SSD) 1.5 g rms/ 5 ~ 500Hz / non operation
Shock	10 G peak acceleration (11 m sec. duration), operation 20 G peak acceleration (11 m sec. duration), non operation

Specifications

System	
Form Factor	DIN Rail/ Desktop
Processor	Intel Atom® Processor X Series, Intel® Pentium®/Celeron® N and J Series Processor, 2~4 cores
System Memory	260-pin DDR4 3200MT/s SODIMM with IBECC support x 1
Chipset	SoC
Ethernet	Intel® Ethernet Controller I210-AT GbE x 4
Bypass	Supports upto 2 Pairs LAN Bypass (Optional)
BIOS	AMI SPI Flash BIOS
Serial ATA	SATA III port x 1 for 2.5"SSD support
CFast/mSATA	mSATA (Full size) socket colay SATAIII port x 1
Expansion Interface	Supports Mini-card slot x 1 with Micro SIM socket
USB	USB 3.2 Gen 1 x 2
Serial Port	Supports up to RS-232/422/485 COM Port x 2
Watchdog Timer	1~255 steps by software programmable

Note: All specifications are subject to change without notice.

Dimension

Unit: mm

Ordering Information

Part Number	CPU	Memory	Bypass	Expansion Slot	Storage	LAN	USB	Console	System Fan	TPM	Display	Mounting	Power
ICS-6280A-A10-00	Intel Atom® x6425E	260-pin DDR4 3200MT/s SODIMM with IBECC support x 1	Supports upto 2 Pairs LAN Bypass (Optional)	mSATA (Full size) socket colay SATAIII port x 1 Supports Mini-card slot x 1 with Micro SIM socket	2.5" SATA SSD x 1	Intel® Ethernet Controller I210-AT GbE x 4	USB 3.2 Gen 1 port x 2	—	Fanless	Optional upon request	HDMI x 1 VGA x 1	DIN Rail	Redundant 9~48Vdc input

Packing List

- SATA Cable x 1
- SATA Power Cable x 1
- DIN Rail Kit x 1
- ICS-6280

Optional Accessories

- **9761627020**
  Wallmount Kit (No Packing)

- **1255300407**
  2 Pin Phoenix Contact 40W Power Adapter