

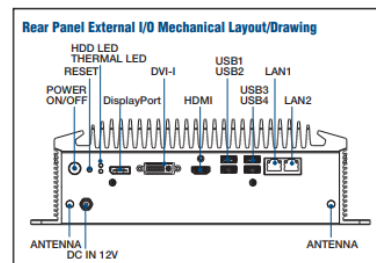
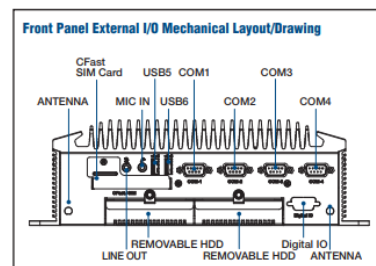
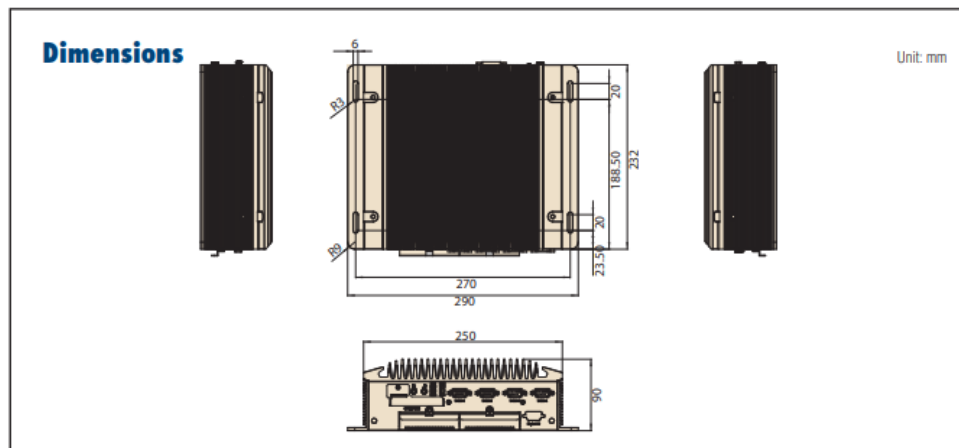
technical specifications

The Active Control™ Appliance is designed to run the SynapSense® Active Control™ Program and connect to a network in pairs. It receives data from the SynapSense® Environmental Server and sends control signals to cooling units or building management system to optimize power usage by cooling equipment.

performance specifications

Processor System	CPU (rPGA)	Intel Core i7-310QE
	Frequency	2-3Ghz (Quad Core)
	L3 Cache	6MB
	Watts	45 W
Memory	Technology	DCR3/DDR3L 1500 MHz
Graphics	CRT	VGA Integrated in DVI-I port
	DVI-I	1920 x 1200 @ 60 Hz
	HDMI	Support HDMI 1.4 1.4 1920 x 1200 @ 60HZ
	Display Port	2560 x 1600 @ 60 Hz (Video only, and only support on 3rd generation processor)
Ethernet	LAN1	10/100/1000 Mbps Intel 82579LM GbE, support Wake On Lan
	LAN2	10/100/1000 Mbps Intel 1-210iT GbE, support Wake On Lan
I/O Interface	Serial Port	2 x RS-232 ports, 2 RS-232/422/485 port with auto flow control
	USB	4 x USB 3.0 ports (USB1,2,3,4) and 2 x USB 2.0 ports (USB5,6)
Expansion	Mini PCIe	2 x Full-size Mini PCIe with SIM holder (supports mSATA)
Storage	HDD	Two 2.5" SATA removable HDD Bays with Maximum device height 9.5 mm, SATA III, Gen 3 Support (max. Data transfer rate 600 MB/s).
	Solid State Disk	1 x CFast Card

Panduit® SynapSense® Active Control™ Appliance



mechanical specifications

Power Requirements	Power Type				
	Power Input Voltage		12 Voc, $\pm 10\%$ (9-34 Voc support by request)		
	Power Adapter		AC to DC, DC12V/7A, 84 (Optional)		
Power Consumption	Typical	19.2W	16.4W	14.8W	16.4W
	Max.	60W Max.: test with 100% CPU loading and HDU R/W access only	36.5W	30W	31.8W
Mechanical	Construction		Aluminum Housing		
	Mounting		Desk/wall-mounting		
	Dimensions (WxHxD)		290x90x232 mm (11.4' x 3.54' x 9.13')		
	Weight		4.65kg		
Environment	Operating Temperature		With extended temp peripheral: -1D – 60°C with .7m/s air flow with HDD: 0-40° with .7m/s air flow		
	Storage Temperature		-40-80°C		
	Relative Humidity		95% $\text{@ } 40^\circ$ (non-condensing)		
	Vibration During Operation		With SSD: 3Gms, IES 60068-2-64, random, 5-500 Hz, 1 hr/axis		
	Shock During Operation		With SSD: 50 G, IEC 60068-2-27, half sine, 11 ms duration		
	EMC		CE/FCC Class A, BSMI		
	Safety		CB, UL, BSMI		

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