

TCxWave Technical Specifications	6140-A30, A3R, E30, E3R	6140-100,10D, E10, E1D, EP1	6140-120, 12D, E20, E2D, EP2
Processor (clock speed, cache)	Intel Celeron Quad Core J1900 (2 GHz, 2M)	Intel Celeron 847e (1.10 GHz, 2M)	Intel Core i3-3217UE (3M Cache, 1.60 GHz)
Chipset	Intel J1900	Intel HM65PCH	Intel HM65PCH
BIOS	AMI	AMI	AMI
Memory*, †	DDR3 1333 MHz 2 GB Standard 8 GB Max	DDR3 1066 MHz 2 GB Standard 8 GB Max	DDR3 1066 MHz 2 GB Standard 8 GB Max
Video	Intel Integrated Graphics (DisplayPort output)	Intel Integrated Graphics Device (DisplayPort output)	Intel Integrated Graphics Device (DisplayPort output)
Touch	Projected Capacitive Touch Technology 5 point multi-touch	Projected Capacitive Touch Technology 5 point multi-touch	Projected Capacitive Touch Technology 5 point multi-touch
Screen	15 in 4:3, LED back-lit LCD	18.5 in. 16:9 LED back-lit LCD	18.5 in. 16:9 LED back-lit LCD
Audio	Optional Speaker kit	Internal PC beeper‡	Internal PC beeper‡
Storage	Up to 2x Solid State Drives, available in 64 GB or 128 GB	(1) Solid State Drive, available in 64 GB or 128 GB option	(1) Solid State Drive, available in 64 GB or 128 GB option
Ethernet	10/100/1000 MB	10/100/1000 MB	10/100/1000 MB
I/O Ports on Head	(3) USB 2.0, (1) USB 3.0, (2x) RJ45 RS232*, (1) DisplayPort, (1) 10/100/1000 Ethernet, Side access ports: (1) Audio Jack, (1) USB 2.0 *BIOS can configure RS232 as powered or standard	(3) PC USB 2.0, (1) 10/100/1000 Ethernet, (1) DisplayPort, Side access port: (1) PC USB 2.0	

I/O Ports on Dockable Base	(1) 24 V Powered USB 2.0, (3) 12 V Powered USB 2.0, (3) PC USB 2.0, (1) 10/100/1000 Ethernet, (1) DisplayPort				
I/O Ports on optional POS Hub	1) 24 V Powered USB 2.0, (1) 24 V Cash Drawer Port, (4) 12 V Powered USB 2.0				
Optional integrated I/O	iButton (plugs into side USB access) 2x20*, MSR*, * Additional USB 2.0 port included on module if one or both of these options selected	2x20*, MSR* *Additional USB 2.0 port included on module if one or both of these options selected			
Trusted Platform Module (TPM)	No	This system contains a TPM module. The function of the module is only for safe storage of the data that is needed for authentication and protection against unauthorized access. Algorithms are, AES, symmetric, key length 128 bit, and RSA, key length 512-2048 bit			
Supported Operating Systems	Windows Embedded POSReady 7 (64-bit and 32-bit) Windows Embedded 8.1 Industry Pro Retail 64-bit Windows 7 Professional (64-bit and 32-bit) Windows 8.1 Professional 64-bit	Windows 7 (64-bit and 32-bit), POSReady 7, POSReady 2009, 4690 Version 6.4 Enhanced Windows Embedded 8.1 Industry Pro Retail 64-bit Windows 8.1 Professional 64-bit Windows 8.1 Pro 64-bit SUSE® LINUX Enterprise Desktop 11 for x86 Service Pack 3 for SUSE® SLED 11			
Preloads	Microsoft preloaded on E30, E3R Choice of POSReady 7, Windows 7 *64-bit is standard	Microsoft preloaded on E10, E1D, EP1 Choice of 32-bit POSReady 2009, POSReady 7, or Windows 7	Microsoft preloaded on E20, E2D, EP2 Choice of 32-bit POSReady 2009, POSReady 7, or Windows 7		
Warranty	A30 and E30 models provide 1 year Depot warranty A3R and E3R models provide 1 year On Site Repair Warranty	10D and E1D models provide 1 year Depot warranty 100, E10, and EP1 models provide 1 year On Site Repair Warranty	12D and E2D models provide 1 year Depot Warranty 120, E20, and EP2 models provide 1 year On Site Repair warranty		
Models	TCxWave Dimensions	Height	Width	Depth	Weight

A3x, E3x	POS System (head mounted on base)	332.6 mm (13.10 in.)	367 mm (14.4 in.)	305 mm (12 in.)	9 kg (20 lbs)
	Head	337 mm (13.25 in.)	367 mm (14.4 in.)	76 mm (3 in.)	5 kg (11 lbs)
	Dockable POS Base	191 mm (7.5 in.)	367 mm (14.4 in.)	292 mm (11.5 in.)	4 kg (9 lbs)
10x, E1x, 12x, E2x, EP2	POS System (head mounted on base)	Head rotated fully forward 336.7mm (13.26 in.) Head rotated fully back 332.6 mm (13.10 in.)	470 mm (18.5 in.)	305 mm (12 in.)	10.4 kg (23 lbs)
	Head	337 mm (13.25 in.)	470 mm (18.5 in.)	76 mm (3 in.)	6.4 kg (14 lbs)
	Dockable POS Base	191 mm (7.5 in.)	470 mm (18.5 in.)	292 mm (11.5 in.)	4 kg (9 lbs)
All	POS Hub	78 mm (3.073 in.)	185 mm (7.289 in.)	205 mm (8.077 in.)	2.72 kg (6 lbs)