

1 Industrial HMI Touch Panel Solutions

AHP-1154	15" XGA HMI Touch Panel PC with Onboard Intel® Celeron® J1900/N2807 Processor, 2 GB RAM	01-1
AHP-1125	12.1" XGA Touch Panel PC with Onboard Intel® N3710/N3060 Processors, 2 GB RAM	01-3
Accessories		
ARM-WK075-0	LCD Flat Panel Monitor Wallmount Kit (VESA 75/100)	01-5
ARM-DR075-0	DIN Rail Kit (VESA 75)	01-5

2 OMNI Series Modular Touch Panel Solutions

OMNI-2155-BT	15.6" Modular HMI Panel PC with Intel® Celeron® J1900/ N2807 Processor	02-1
OMNI-2215-BT	21.5" Modular HMI Panel PC with Intel® Celeron® J1900/ N2807 Processor	02-3
OMNI-3105-BT	10.4" Modular HMI Panel PC with Intel® Celeron® J1900/ N2807 Processor	02-5
OMNI-3125-BT	12.1" Modular HMI Panel PC with Intel® Celeron® J1900/ N2807 Processor	02-7
OMNI-3155-BT	15" Modular HMI Panel PC with Intel® Celeron® J1900/ N2807 Processor	02-9
OMNI-3175-BT	17" Modular HMI Panel PC with Intel® Celeron® J1900/ N2807 Processor	02-11
OMNI-3195-BT	19" Modular HMI Panel PC with Intel® Celeron® J1900/ N2807 Processor	02-13
OMNI-2155-SKU	15.6" Modular HMI Panel PC with 6th Generation Intel® Core™ i5-6300U/ Celeron® 3955U Processor	02-15
OMNI-2215-SKU	21.5" Modular HMI Panel PC with 6th Generation Intel® Core™ i5-6300U/C-3955U Processor	02-17
OMNI-3105-SKU	10.4" Modular HMI Panel PC with 6th Generation Intel® Core™ i5-6300U/C-3955U Processor	02-19
OMNI-3125-SKU	12.1" Modular HMI Panel PC with 6th Generation Intel® Core™ i5-6300U/C-3955U Processor	02-21
OMNI-3155-SKU	15" Modular HMI Panel PC with 6th Generation Intel® Core™ i5-6300U/C-3955U Processor	02-23
OMNI-3175-SKU	17" Modular HMI Panel PC with 6th Generation Intel® Core™ i5-6300U/C-3955U Processor	02-25
OMNI-3195-SKU	19" Modular HMI Panel PC with 6th Generation Intel® Core™ i5-6300U/C-3955U Processor	02-27
OMNI-3155-UP	15" Compact Panel PC with Intel® Atom® x5-Z8350 Processor	02-29
OMNI-5155L	15" All-In-One Fanless Touch Panel PC with Intel® Celeron® J1900 Processor	02-31
OMNI-5125-BT	12.1" All-In-One Fanless Touch Panel PC with Intel® Celeron® J1900 Processor	02-33
OMNI-5155-BT	15" All-In-One Fanless Touch Panel PC with Intel® Celeron® J1900 Processor	02-35
OMNI-5215-SKU	21.5" All-In-One Fanless Touch Panel PC with Intel® Core™ i-U Series Processor SoC	02-37

3 OMNI Series Modular Display Solutions

OMNI-215M	15.6" Touch Display Monitor, DC 12~30V	03-1
OMNI-221M	21.5" Touch Display Monitor, DC 12~30V	03-3
OMNI-310M	10.4" Touch Display Monitor, DC 12~30V	03-5
OMNI-312M	12.1" Touch Display Monitor, DC 12~30V	03-7
OMNI-315M	15" Touch Display Monitor, DC 12~30V	03-9
OMNI-317M	17" Touch Display Monitor, DC 12~30V	03-11
OMNI-319M	19" Touch Display Monitor, DC 12~30V	03-13

4 OMNI Series Modules-BOX Kit

OMNI-BT CPU BOX Kit	OMNI Series Modules- CPU BOX Kit	04-1
OMNI-SKU CPU-BOX Kit	OMNI Series Modules- CPU BOX Kit	04-3
OMNI-ADB-KIT	Display BOX Kit, DC 12~30V	04-5

5 OMNI Series Modules-I/O Modules

9741215501	Mini PCIe Slot x 2, for OMNI Panel PC Only	05-1
9741215502	Gigabit Ethernet x 2, for OMNI Panel PC only	05-1
9741215506	DIO without Isolation x 8, for OMNI Panel PC only	05-2
9741215508	MIC-In x 1, Line-out x 1, for OMNI Panel PC only	05-2
9741215510	10/100 Ethernet x 2, for OMNI Panel PC Only	05-3
9741215512	WiFi 802.11 b/g/n Module	05-3
9741215513	RS-485/422/232 Module	05-4
9741215515	OMNI USB/COM/LAN Module	05-4
9741215516	OMNI COM x 4 Module	05-5
9741215517	OMNI Isolated COM Module	05-5
9741215518	OMNI COM, DIO Module	05-6

About AAEON	00-1
Milestones	00-3
Operation Strength	00-4
OEM/ODM Capability	00-4
Core Competence	00-5
Quality Assurance	00-6
Applications	00-7
WITAS Temperature Assurance Service	00-12
IoT Solutions	00-13
Rugged Tablet Computer	00-17
AAEON's Embedded OS Solution	00-19
AAEON Hi-Safe	00-20
AAEON Hi-Manager	00-21
Design Manufacturing Service	00-22
System Product Lines	00-23
Index	00-25



6 OMNI Series Modules-Panel Kit		
OMNI-215D	15.6" OMNI Modular Touch/ LCD Panel Kit	06-1
OMNI-221D	21.5" OMNI Modular Touch/ LCD Panel Kit	06-3
OMNI-310D	10.4" OMNI Modular Touch/ LCD Panel Kit	06-5
OMNI-312D	12.1" OMNI Modular Touch/ LCD Panel Kit	06-7
OMNI-315D	15" OMNI Modular Touch/ LCD Panel Kit	06-9
OMNI-317D	17" OMNI Modular Touch/ LCD Panel Kit	06-11
OMNI-319D	19" OMNI Modular Touch/ LCD Panel Kit	06-13
OMNI-3120PD	12.1" OMNI Modular Open Frame Touch/ LCD Panel Kit	06-15
OMNI-3150PD	15" OMNI Modular Open Frame Touch/ LCD Panel Kit	06-17

7 Ultra-Slim Multi-Touch Panel Solutions		
ACP-1106	10.1" WXGA Multi-Touch Panel PC With Intel® Pentium® N4200/ Celeron® N3350 Processor, 4 GB RAM	07-1
ACP-1104	10.1" WXGA Ultra-slim Fanless Multi Touch Panel PC w/ Intel® Celeron® J1900/ N2807 Processor, 2GB RAM	07-3
ACP-1076	7" SWXGA Multi-Touch Panel PC with Intel® Pentium® N4200/ Celeron® N3350 Processor, 4 GB RAM	07-5
ACP-1074	7" Ultra-Slim Fanless Multi-Touch Panel PC with Intel® Celeron® J1900/N2807, 2GB RAM	07-7

8 Industrial Touch Display Solutions		
ACD-110D	10.1" WXGA Multi-Touch Display	08-1
ACD-515D	15.6" WXGA Infotainment Multi-Touch Display	08-3

9 Rugged Tablet Computers		
RTC-600A	5.7" Rugged Tablet Handheld, up to 1.6 GHz Quad Core Processor	09-1
RDS-1210	Rugged Docking Station (For RTC-600A)	09-3
RDS-0040	4-Bay Battery Charger (For RTC-700M/B, RTC-600A)	09-4
RTC-700RK	7" Rugged Tablet ARM-based Android™ with 1.6 GHz Quad Core Processor	09-5
RTC-700B	7" Rugged Tablet X86-based Windows® 10 up to 1.92 GHz Quad Core Processor	09-7
RDS-0310 For RTC-700 Series	Rugged Docking Station (For RTC-700B/M/RK)	09-9
RTC-900B	10.1" Rugged Tablet Features Intel® E3825 / E3827 With Windows® 10 / Windows® 7	09-11
RDS-0310 For RTC-900B	10.1" Rugged Tablet Computer Docking	09-13
RTC-1010	10.1" Rugged Tablet Features with Intel® N3350/N4200 Processor with Windows®/ Android	09-15
RTC-1010M	10.1" Semi-rugged Tablet Features Intel Atom N3350 / N4200 Processor With Windows / Android	09-17
RTC-1200SK	11.6" Rugged Tablet x86-based Windows® 7/ 10 up to 3.4 GHz Dual Core Processor	09-19
RDS-241V	Rugged Docking Station (For RTC-1200SK)	09-21
RDS-1000	5-Bay Tablet Battery Charger (For RTC-700x)	09-23

10 Ultra Slim Fanless BOX PC Solutions		
BOXER-6405U	Fanless Compact Embedded Computer with Intel® Atom™ Processor N3350	10-1
BOXER-6405	Fanless Compact Embedded Computer with Intel® Atom™ Processor N4200 or N3350	10-3
BOXER-6404U	Compact Embedded Box PC with Intel® Celeron® Processor SoC	10-5
BOXER-6404	Compact Embedded Box PC with LAN x 4, HDMI x 2, Intel® Celeron® J1900/N2807 Processor SoC	10-7
BOXER-6404WT	Wide Temperature Compact Embedded Box PC with Intel® Celeron® J1900/ N2807 Processor SoC	10-9

11 Compact Fanless BOX PC Solutions		
BOXER-6616	Fanless Embedded Box PC with Intel® Celeron® Processor N3350/N4200	11-1
BOXER-6615	Fanless Embedded Box PC with Intel® Pentium® N3710, 1.6 GHz	11-3
BOXER-6614	Fanless Embedded Box PC with Intel® Celeron® J1900 2.0 GHz/ Celeron® N2930 Quad Core 1.83 GHz/ Celeron® N2807 Dual Core 1.58 GHz	11-5
BOXER-6641	Fanless Embedded Box PC with Socket Type 8th Generation Intel® Processor	11-7
BOXER-6640	Fanless Embedded Box PC with 6th/7th Generation Intel® Core™ Desktop Processor and GbE	11-9
BOXER-6639	Fanless Embedded Box PC with Socket Type 6th Generation Intel® Processor and Q170 Chipset	11-11
BOXER-6638U	Fanless Embedded Box PC with 5th Generation Intel® Core™ i3 Processor SoC	11-13
BOXER-6652	Fanless Embedded Box PC with Intel® QM87 Chipset	11-15
Accessories		
9741681003	DIN Rail Mounting Kit	11-17

12 Din Rail Fanless BOX PC		
BOXER-6750	Din Rail Mount Embedded BOX PC with Intel® Core™ i3-6100U or Celeron® 3955U Processor	12-1
BOXER-6710	Din Rail Mount Embedded BOX PC with Intel® Atom™ Processor N4200 or N3350	12-3

About AAEON	00-1
Milestones	00-3
Operation Strength	00-4
OEM/ODM Capability	00-4
Core Competence	00-5
Quality Assurance	00-6
Applications	00-7
WITAS Temperature Assurance Service	00-12
IoT Solutions	00-13
Rugged Tablet Computer	00-17
AAEON's Embedded OS Solution	00-19
AAEON Hi-Safe	00-20
AAEON Hi-Manager	00-21
Design Manufacturing Service	00-22
System Product Lines	00-23
Index	00-25

13	Expandable Fanless BOX PC Solutions	
BOXER-6839	Expandable Fanless Embedded Box PC with 6th/ 7th Generation Intel® Core™ Desktop Processor and PCIe [x4] & PCI Expansion	13-1
BOXER-6852	Expandable Fanless Embedded Box PC with Intel® QM87 Chipset and PCIe Expansion	13-3
AEC-6977	Automation Fanless Embedded Box PC with Intel® QM77 Chipset	13-5

14	AI@Edge Solutions	
BOXER-8110AI	AI@Edge Fanless Embedded Box PC with NVIDIA Jetson TX2	14-1
BOXER-8120AI	AI@Edge Fanless Embedded Box PC with NVIDIA Jetson TX2, 4 GbE LAN Ports	14-3
BOXER-8130AI	AI@Edge Fanless Embedded Box PC with ARM + Nvidia Jetson TX2 Platform	14-5
BOXER-8150AI	AI@Edge Fanless Embedded Box PC with ARM + Nvidia Jetson TX2 Platform and 8 USB	14-7
BOXER-8170AI	AI@Edge Fanless Embedded Box PC with NVIDIA Jetson TX2	14-9
BOXER-8310AI	AI@Edge Fanless Compact Embedded Box PC with Intel® Atom™ Processor & one Myriad™ X	14-11
BOXER-8320AI	AI@Edge Din Rail Mount Embedded BOX PC with Intel® Core™ i3 6100U or Celeron® 3955U & Two Myriad™ X	14-13

15	Vision System BOX PC & Frame Grabber Card	
BOXER-6405M	Fanless Compact Embedded Computer with Intel® Celeron®/Pentium® Processor	15-1
BOXER-6404M	Wide Temperature Compact Embedded Box PC with LAN x 4, HDMI x 2, Intel® Celeron® J1900/N2807 Processor SoC	15-3
BOXER-6841M-A1	Vision System Fanless Embedded Box PC with 6th / 7th Generation Intel® Core™ Desktop Processor and PCIe[x16] + PCIe[x1]	15-5
BOXER-6841M-A2	Vision System Fanless Embedded Box PC with 6th / 7th Generation Intel® Core™ Desktop Processor and PCIe[x16] + PCIe[x1]	15-7
BOXER-6841M-A3	Vision System Fanless Embedded Box PC with 6th / 7th Generation Intel® Core™ Desktop / Xeon® server-grade Processor and PCIe[x16] + PCIe[x1]	15-9
BOXER-6841M-A4	Vision System Fanless Embedded Box PC with 6th/7th Generation Intel® Core™ Desktop / Xeon® server-grade Processor and PCIe[x16] + PCIe[x1]	15-11
BOXER-6841M-A5	Vision System Fanless Embedded Box PC with 6th/ 7th Generation Intel® Core™ Desktop / Xeon® server-grade Processor and 2 PCIe[x8] + PCIe[x1]	15-13
BOXER-6841M-A6	Vision System Fanless Embedded Box PC with 6th/ 7th Generation Intel® Core™ Desktop / Xeon® server-grade Processor and 2 PCIe[x8] + PCIe[x1]	15-15
BOXER-6640M	Vision System Fanless Embedded Box PC with 6th/7th Generation Intel® Core™ Desktop Processor and Multi GbE LAN & USB3.0	15-17
BOXER-6639M	Vision System Fanless Embedded Box PC with 6th/ 7th Generation Intel® Core™ Desktop Processor and PoE	15-19
Accessories		
9741681003	LCD DIN Rail Mounting Kit	15-21
PER-T479	4-Port USB 3.0 PCI-E [x4] Frame Grabber Card	15-22
PER-T481	4-Port / 2-Port Intel® GbE-PoE LAN PCI-E [x4] Frame Grabber Card	15-23
PER-T499	2-Port USB 3.1 PCI-E [x4] Frame Grabber Card	15-24
PER-T500	2-Port USB 3.0 PCI-E [x1] Frame Grabber Card	15-25
PER-T514	2 Ports Intel® 10GbE LAN PCI-E [x4] Frame Grabber Card	15-26

16	Transportation BOX PC Solutions	
BOXER-6313U	In-Vehicle Box PC with Intel® Atom™ E3845, 1.91 GHz Processor	16-1
BOXER-6313	In-Vehicle Box PC with Intel® Atom™ E3845, 1.91 GHz Processor	16-3
BOXER-6301VS	4-ch PoE Fanless Box PC with Intel® Core™ i5-4402E, 1.6 GHz Processor	16-5
AEV-6356	Railway Box PC with Onboard Intel® Core™ i7/ Celeron® M Processor	16-7

17	Network Video Recorder & Mobile NVR	
VPC-5600S	Fanless In-Vehicle Network Video Recorder with 7th Generation Intel® Processor	17-1
VPC-5500S	In-Vehicle Network Video Recorder Platform with Intel® Core™ i Processor	17-3
VPC-3300S	In-Vehicle Network Video Recorder Platform with Intel® Celeron® J1900 Processor SoC	17-5
VPC-3350S	Fanless In-Vehicle/Industrial Network Video Recorder with Intel® Apollo Lake Processor	17-7
VPC-5620S	Fanless In-Vehicle/Railway Network Video Recorder with 8th Generation Intel® Processor	17-8



18 Turn-Key Chassis Solutions

NANO-002N	Fanless Mini PC with 6th Generation Intel® 15W Processor, 2 HDMI and 2 LAN Ports	18-1
NANO-002F	Mini PC with 6th Generation Intel® Core™ i7/i5/i3/Celeron 15W Processor, 2 HDMI, 2 LAN Ports, COM Port and 4 USB Ports	18-3
ACS-1U01-BT4	Fanless Solution with Intel® Atom™ J1900/ N2807 Processor	18-5
ACS-1U01-H81B	Mini-ITX 1U Chassis with Intel® 4th Generation Processor	18-7
ACS-1U01-H110B	Mini-ITX 1U Chassis with 6th Generation Intel® Processor	18-9

19 Network Appliances

FWS-2360	Desktop Network Appliance with Intel® Atom™ Processor C3000 Series	19-1
FWS-2276	Desktop 4 LAN Ports Network Appliance with Intel® Celeron® Processor N3350	19-3
FWS-2273	Desktop 6 LAN Ports Network Appliance with Intel® Celeron® N3350 Processor SoC	19-5
FWS-2272	Desktop 4 LAN Ports Network Appliance with Intel® Celeron® N3350 Processor SoC	19-7
FWS-2271	Desktop 6 LAN Ports Network Appliance with Intel® N4200/N3350 Processor SoC	19-9
FWS-2350	Desktop 6 LAN Ports Network Appliance with Intel® Atom™ C2558/C2358 Processor SoC with Intel® QAT Support	19-11
FWS-2260	Desktop 6 LAN Ports Network Appliance with Intel® Celeron® N3160/N3060 Processor SoC	19-13
FWS-2253	Desktop 4 LAN Ports Network Appliance with Intel® Celeron® N2807/J1900 Processor, Wide Temperature	19-15
FWS-2252	Desktop 4 LAN Ports Network Appliance with Intel® Celeron® J1900 Processor	19-17
FWS-2251	Desktop 4 LAN Ports Network Appliance with Intel® Celeron® J1900 Processor SoC	19-19
FWS-2250	Desktop 4 LAN Ports Network Appliance with Intel® Atom™ E3815/E3827/Celeron® J1900 Processor SoC	19-21
FWS-7360	1U Rackmount 7 LAN Network Appliance with Intel® Atom™ C3758 Processor SoC	19-23
FWS-7830	1U Rackmount Intel® 8th Generation Platform Network Appliance	19-25
FWS-7831	1U Rackmount Intel® 8th Generation Platform Network Appliance	19-27
FWS-7821	Intel® C236 1U Rackmount 8 LANs with 1 NIM Slot Network Appliance	19-29
FWS-7820	1U Rackmount Network Appliance, Intel® C236 with 3 to 4 Network Interface Modules	19-31
FWS-7811	Intel® C226 1U Rackmount 8 LANs Network Appliance with 275W Redundant Power Supply Support	19-33
FWS-7810	1U Rackmount 8 LAN Ports Network Appliance with Intel® C226 Chipset	19-35
FWS-7520	1U Rackmount Network Appliance, Intel® Xeon™ Processor SoC with 3 NIM Slots	19-37
FWS-7400	1U Rackmount 6 LAN Ports Network Appliance with Intel® H81 Chipset	19-39
FWS-7350	1U Rackmount 4 LAN Ports Network Appliance with Intel® Atom™ Processor SoC	19-41
FWS-7250	4 Gigabit Ethernet Ports 1U Rackmount Network Appliance with Intel® Atom™ E3845/ Celeron® J1900 Processor SoC	19-43
FWS-8500	2U Rackmount High Performance Network Appliance, up to 64 Gigabit Ethernet Ports	19-45
FWS-8600	2U Rackmount Intel® 8th Generation Platform Network Appliance	19-47
ICS-6270	DIN Rail 6 LAN Ports Industrial-Grade Network Appliance with Intel® Celeron® N3350 Processor SoC	19-49

Accessories

PER-C35L	Two PCI-Express 10 Gigabit Ethernet Acceleration Module	19-51
PER-C36L	PCI-Express Gigabit Ethernet Module w/ Intel® i210 Controller	19-51
PER-C38L	Intel® 82580EB Colay w/ Intel® i350 PCI-Express 1G Ethernet 8 Ports Module	19-52
PER-C39L	Intel® 82580EB PCI-Express 1G SFP 8 Ports Module	19-52
PER-C40L	Intel® 82580EB PCI-Express 1G SFP 4 Ports Module	19-53
PER-C41L	Intel® 82580EB PCI-Express 1G Copper Ethernet 4 Ports Module	19-53
NIM-S13A	Intel® 82580EB PCI-Express 1G SFP 8 Ports Module	19-54
NIM-S13B	Intel® 82580EB PCI-Express 1G SFP 8 Ports Module	19-54
NIM-S13C	Intel® 82580DB PCI-Express 1G SFP 4 Ports Module	19-55
NIM-S13D	Intel® 82580EB PCI-Express 1G SFP 4 Ports Module	19-55
NIM-S13E	Intel® 82580EB PCI-Express 1G Fiber Ethernet 4 Ports Module	19-56
NIM-C13A	Intel® 82580EB PCI-Express 1G Copper Ethernet 8 Ports Module	19-56
NIM-C13B	Intel® 82580EB PCI-Express 1G Copper Ethernet 8 Ports Module	19-57
NIM-C13D	Intel® 82580EB PCI-Express 1G Copper Ethernet 4 Ports Module	19-57
NIM-S26A	Intel® XL710 PCI-Express 10G SFP+ 4 Ports Module	19-58
NIM-S26B	Intel® XL710 PCI-Express 40G QSFP 2 Ports Module	19-58
NIM-S26C	Intel® XL710 PCI-Express 10G SFP+ 4 Ports Module	19-59

20 IoT Gateway/ Node Systems

UP-GWS01	Tiny Gateway System with UP Board	20-1
UPS-GWS01	Tiny Gateway System with UP Squared	20-3
UPC-GWS01	Tiny Gateway System with UP Core	20-5
AIOT-ILRA01	LoRa® Certified Intel® Based Gateway and Network Server	20-7
AIOT-IGWS01	Industrial Automation IoT Gateway	20-9
AIOT-IP6801	IP68 Gateway System	20-11
SRG-3352	IoT Gateway System with TI ARM Cortex-A8 32-bit RISC 1-GHz Processor	20-13

21 Industrial Chassis - Rackmount		
ARC-645	4U 14-Slot Rackmount Chassis, Full-Size/ Half-Size CPU Cards Support	21-1
ARC-645M	4U Rackmount Chassis, Industrial Main Board Support	21-3
ARC-625M	2U 3-Slot Rackmount Chassis, Main Board Support	21-5
22 Industrial Chassis - Wallmount		
AMC-280M	7-Slot Wallmount Chassis, Industrial Main Board Support	22-1
AMC-262	6-Slot Wallmount Chassis, Full-Size/ Half-Size Cards Support	22-3
AEC-206	6-Slot Wallmount Chassis, Full-Size/ Half-Size CPU Cards Support	22-5
AEC-204	4-Slot Wallmount Chassis, Half-Size CPU Cards Support	22-7

About AAEON	00-1
Milestones	00-3
Operation Strength	00-4
OEM/ODM Capability	00-4
Core Competence	00-5
Quality Assurance	00-6
Applications	00-7
WITAS Temperature Assurance Service	00-12
IoT Solutions	00-13
Rugged Tablet Computer	00-17
AAEON's Embedded OS Solution	00-19
AAEON Hi-Safe	00-20
AAEON Hi-Manager	00-21
Design Manufacturing Service	00-22
System Product Lines	00-23
Index	00-25