

General Specifications

Mechanical

Material: Stainless Steel (304) front face / Anodised Aluminium rear face
 Mounting: Cased (VESA 75 mount) or Bezel
 Dimensions (mm): Reference Dimensions below
 Weight (g): 7Kg

Environmental

Operating Temp.: PC: -5°C to +45°C cased, -5°C to +50°C bezel Monitor: -10°C to +55°C
 Storage Temp.: -20°C to +70°C
 Relative Humidity: 95% non-condensing
 Seal: IP65 / IP68 / IP69K

Electrical and Electronic

Supply Voltage: 12VDC, 12-18VDC (BT), 24VDC, 9-33VDC, or 95-265VAC
 Power Consumption: PC – Typically 35W Monitor – Typically 20W
 Display: 12" 500cd/m² 4:3 (1024 x 768) TFT-LCD LED backlit
 Motherboard: See Appendix A

General

Warranty: 3 year standard return to base
 Extendable to 5 years if required

Watchdog

Continually monitors and records internal operating conditions, protecting the hardware. In conditions outside the operating temperature watchdog will prevent start-up. Four rear panel LEDs indicate to the operator the status of fans, internal temperature, motherboard reset and drive activity. See separate datasheet that can be found on our website for more information, located in the Support tab of the product page.

Front View

IP69 Polycarbonate Protected
 PCAP Touchscreen



LED Backlit Display

Stainless Steel
 Enclosure

Rear View

VESA Mounting
 Holes



EPG

OSD

Watchdog

Options and Customisation

Touchscreens

PCAP: Projected Capacitive touchscreen behind a 4mm flush filter (see spec below)

Material 2.1mm tempered glass with 0.57mm sensor
Hardness 5H, Transparency 91% or more
Connectivity USB or RS232

No Touchscreen: 4mm flush filter Polycarbonate with hard coat and anti-newton ring coatings
Material UV stabilised clear transparent polycarbonate
Hardness 8H

Options

Monitor only VGA or DVI (DP+ or HDMI via adaptor cable)
KVM Extenders Contact CKS for further details
CKS Thin Client Based on our standard S12 product with Windows 7 Embedded.
Axel Thin Client This can be built into the S12 or supplied separately
Wi-Fi Communication is available via an external antenna. Fully compliant with IEEE's security 802.11b or 802.11g (2.4 GHz) standards with WPA/WEP support.
Wi-Fi unavailable with Axel M80 Thin Client option.
Thermal Control External waterproof fan assembly to extend to +50°C
Mounting Mounting kits include pedestal and wall mount brackets

Customisation

Colour Full customisation of case colour and Logos available.
OS / Software Contact us for further details.
Output Sockets These can be customised to suit your requirements.

Appendix A

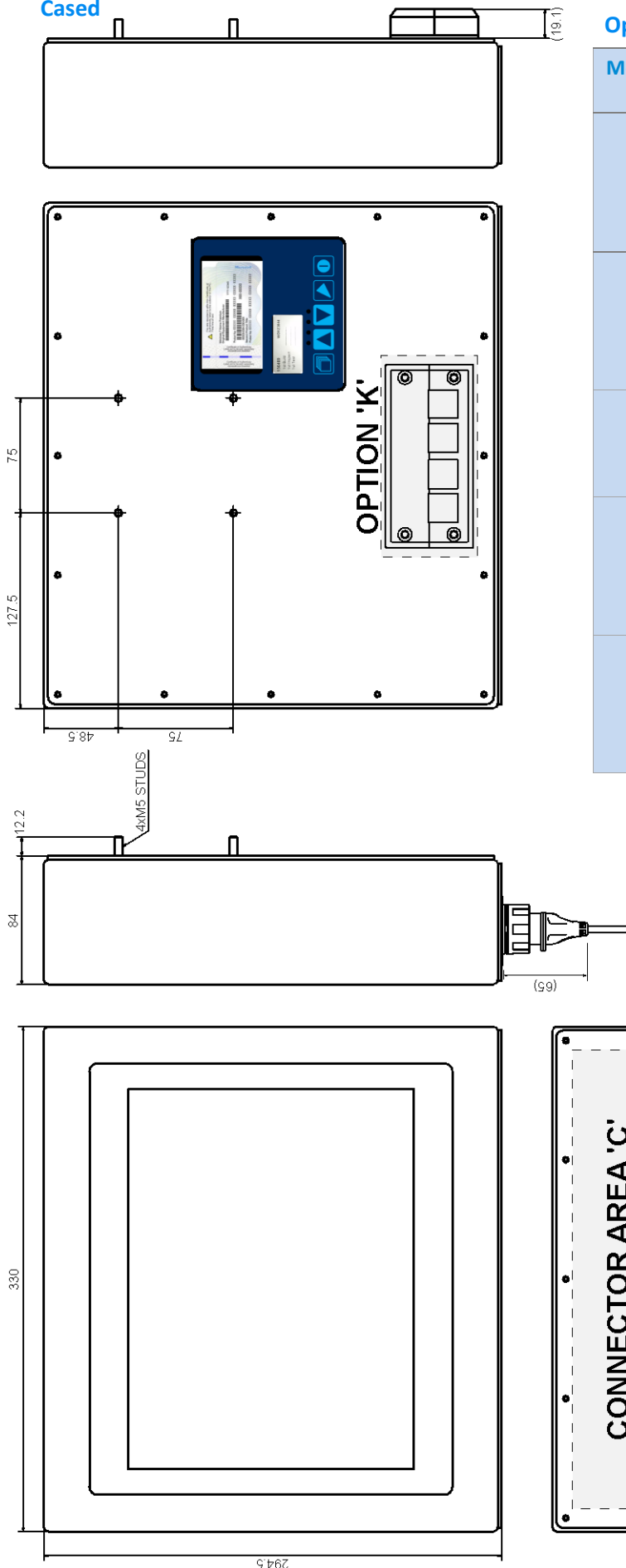
Motherboard	A2	BT
Form Factor	Mini-ITX	Mini-ITX
CPU	Intel® Atom™ D2550 1.86Ghz	Intel® Baytrail-M/D™ J1900 2.00Ghz Supports Hyper-Threading
Core Number	2	4
Chipset	Intel® NM10	-
BIOS	Award BIOS	UEFI
Graphics	Intel®GMA 3650	Intel® Gen7 Intel Graphics DX11™ , OGL3.2
LVDS	Dual Channel up to 1920 x 1080	Dual Channel up to 1920 x 1080
Display	CRT + LVDS	CRT + LVDS
HDMI	-	Supports HDMI 1.3a, max resolution 1920 x 1080
RAM	Up to 4GB (DDR3-1066)	Up to 16GB (DDR3-1333)
SATA	2 x SATA2 with AHCI support (300Mhz)	2 x SATA3 (6.0Gb/s)
Mini-PCIe	1 x Full-Sized	1 x Half-Sized
m-SATA	-	1
PCI / PCIe	N/A	N/A
Serial Ports	3 x RS232, 1 x RS422/485	3 x RS232/ RS422/485, 1 x RS232
USB Ports	4 x USB2 // 4 x USB2	2 x USB2, 2 x USB3 // 4 x USB2, 2 x USB3
Keyboard	1 x PS2	1 x PS2
Mouse	1 x PS2	1 x PS2
Ethernet	2 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps
Parallel Port	1 x LPT1	1 x LPT1
Audio	HD Audio with 1.2W Amplifier	HD Audio with 3W Amplifier
Power	30W	35W
Storage Media	2GB – 128GB SSD (SLC/MLC) or 500GB HDD	16GB – 128GB SSD (SLC/MLC) or 500GB HDD
Operating System	XPe, XP Pro FES, W7e 32-bit, W7 FES 32-bit, DOS	W7e 32/64-bit, W7 FES 32/64-bit, W10 IoT Enterprise LTSB 32/64-bit, DOS

Appendix B

Axel Thin Client	
Description	S12 monitor with Axel M80 built in
USB	4
Ethernet	1 x TCP/IP 10/100BaseT LAN
Serial Port	By USB
Parallel Port	By USB
Graphical Sessions	Microsoft TSE (from NT4 to 2008R2) / RemoteApp / Multipoint 2011, Citrix XenApp & Metaframe / XenDesktop, VMware View, Linux (VNC Client)
Text Sessions	AS/400 iSeries: 5250, S/390 zSeries: 3270, Unix/Linux: Telnet, SSH & TTY (ANSI, SCO OPENSERVR, UNIX SCO 3.2.2, UNIX SCO 3.2.4, XENIX SCO, ANSI INTERACTIVE, UNIX SVR4, ANSI , RS6000, ANSI DATA GENERAL, UNIXWAR E 7, LINUX, VT100/VT220, VT52, WYSE 50/60/120, DS VP-A2, ADDS VP-60, IBM 3151, ATO300, PRISM, REAL/32, THEOS, OS2 POLYMOD2, SM9400, SM9412, TWINSERVER, PROLOGUE 3, TVI 950, QVT119+, C332
Administration	Remote interactive set-up / Text sessions remote control / VNC remote control / Downloadable firmware / AXRM compliant

Dimensions

Cased

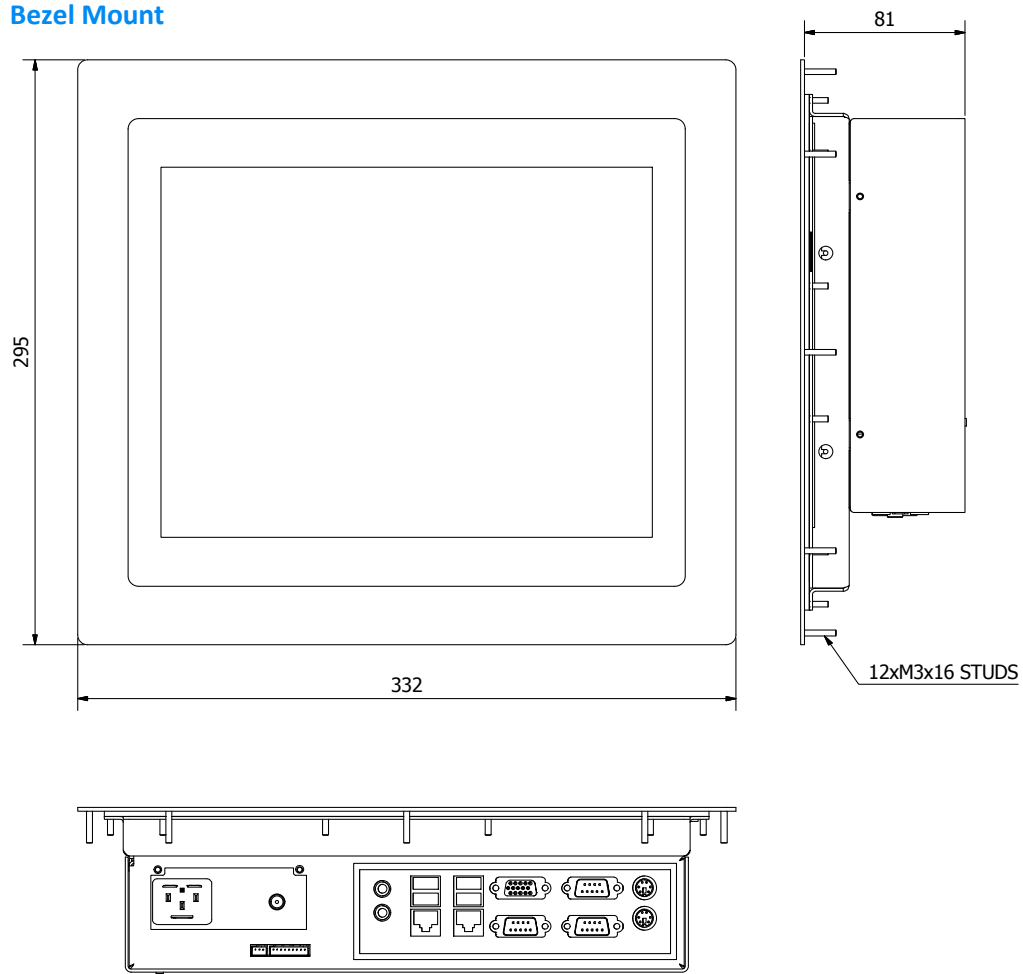


Option 'K'

Mechanical	Rear/Bottom Seal	Description
C	IP68	Cased Client PC, Bottom outlet 4 connections
D	IP68	Cased Client PC, Bottom outlet 7 connections
K	IP65	Cased Client PC, Rear outlet EPG
L	IP65	Cased Monitor/ Thin Client, Rear outlet EPG
Z	IP22	1.5mm Bezel, Bottom outlet connections

Dimensions

Bezel Mount



Bezel mount fixing detail

