



Synergis Supported HID VertX and Edge (PoE) Hardware

Feature	SST ACIM102b	SST ION168	VertX V2000	EdgePlus E400	EdgeReader ER40 & ERW400	VertX V1000	VertX V100	VertX V200	VertX V300
Product Type	Door Controller	Input/Output Module	Door Controller	Door Controller	Door Controller	Master Controller	Door Interface	Input Module	Output Module
Basic Functionality									
Total Readers Supported	2	-	2	1	1	64 w/ qty 32 V100	2	-	-
Card In/Rex Out	-	-	✓	✓	✓	-	✓	-	-
Card In/Card Out	-	-	✓	No	No	-	☒	-	-
HID Prox Readers Supported	✓	-	✓	✓	No Integrated iCLASS reader only	-	✓	-	-
HID iCLASS Readers Supported	✓	-	✓	✓	iCLASS R40 and RW400 only	-	✓	-	-
Non-HID Wiegand Readers Supported	✓	-	✓	✓	-	✓	✓	-	-
Indoor reader(s) supported	✓	-	✓	✓	✓	-	✓	-	-
Outdoor reader(s) supported	✓	-	✓	✓	with heated enclosure	-	✓	-	-
Cardholders Supported	11,000+	-	22,000	22,000	22,000	22,000	-	-	-
Max. Cardholders Supported (with memory upgrades)	11,000+	-	125,000+	22,000+	22,000+	125,000+	-	-	-
Total Transactions Stored Offline	6,000+	7,800+	5,000+	5,000+	5,000+	5,000+	-	-	-
Card Data Formats Supported	Up to 64 bits	-	Up to 128 bits	Up to 128 bits	Up to 128 bits	Up to 128 bits	-	-	-
Card and PIN Support	✓	-	✓	✓	No, Integrated reader not a keypad	✓	✓	-	-
Elevator Control	-	-	✓ up to 4 floors	✓ up to 2 floors	✓ up to 2 floors	✓	✓	✓	✓
Input/Output Functionality									
IO Linking	✓	✓	✓	✓	✓	✓	✓	✓	✓
Supervised Inputs Supported	No	✓	✓	✓	✓	✓	✓	✓	✓
AC Fail Monitor input (included in total input points count)	No	No	✓	✓	✓	✓	✓	✓	✓
Battery Fail Monitor input (included in total input points count)	Internal	Internal	✓	✓	✓	✓	✓	✓	✓
Tamper input (included in total input points count)	✓	No	✓	✓	✓	✓	✓	✓	✓
Power Requirements									
Power Requirements	16-40 VDC 12-28 VAC	16-40 VDC 12-28 VAC	12-16 VDC	12-16 VDC or PoE	12-16 VDC or PoE	12-16 VDC	9-18 VDC	9-18 VDC	9-18 VDC
Power-Over-Ethernet (PoE) Supported	No	No	No	✓	✓	No	No	No	No
Communications									
Network IP Address Assignment	DHCP or Static	DHCP or Static	DHCP or Static	DHCP or Static	DHCP or Static	DHCP or Static	-	-	-
Connects to Synergis Server Directly	✓	✓	✓	✓	✓	✓	-	-	-
Connects to a Master Controller	No	No	No	No	No	No	✓	✓	✓
Primary Communication	IP	IP	IP	IP	IP	IP	RS-485	RS-485	RS-485
Secondary Communication	-	-	-	Dialup Modem (optional)	Dialup Modem (optional)	Dialup Modem (optional)	-	-	-
Network Speed	10 Mbps	10 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	-	-	-