



**Multi Data Digital**  
GmbH

## Feature Matrix Remote Site Controllers

# MDD-Siteboss

	SiteBoss 570-3	SiteBoss 550-6 17 Inch Wide Advanced	SiteBoss 550-2 11 Inch Wide Advanced	SiteBoss 530-6 17 Inch Wide Basic	SiteBoss 530-2 11 Inch Wide Basic	SiteBoss 410	SiteBoss 420-0
<b>Hardware Features</b>							
On-board 10/100 Base-T Ethernet Ports (RJ45)	2	2	2	2	2	1 (10Base-T)	1
On-board RS232 Serial Ports (RJ45)	4 data/ 1 console	2	2	2	2	1 (DB9-Male)	-
On-board High-current DC Relays	10	-	-	-	-	-	-
On-board Low-current DC Relays	-	-	-	-	-	2*	-
On-board Contact Closures	4	2	2	2	2	8 or 6	8
On-board Voltage Sensors	-	-	-	-	-	2*	-
MMC Memory I/O Slot	1	1	1	1	1	-	-
Temperature Sensor - On-board or MMC Card	On-board	MMC Card*	MMC Card*	MMC Card*	MMC Card*	On-board	On-board
On-board Humidity Sensor	-	-	-	-	-	1*	1*
On-board Dialup 56k Modem	1*	1*	1*	1*	1*	-	-
On-board Dialup 33.6k Modem	1*	1*	1*	1*	1*	-	-
EventSensors (Type 1) Supported	Up to 16	Up to 16	Up to 16	Up to 16	Up to 16	Up to 2	-
SensorJack Port (9 pin Mini DIN)	-	-	-	-	-	-	1
EventSensors (Type 2) Supported	Up to 16	Up to 16	Up to 16	Up to 16	Up to 16	-	Up to 3
Run-time Battery	-	1*	1*	1*	1*	-	-
Internal Battery to Control Real Time Clock	X	X	X	X	X	-	X
Expansion Card Bays	3	6	2	6	2	-	-
<b>Communication Options</b>							
Serial RS-232	X	X	X	X	X	X	-
Modem via POTS Analog Line	X	X	X	X	X	-	-
Wireless Modem (Optional Expansion Card)	X	X	X	X	X	-	-
ADSL Modem (Optional Expansion Card)	X	X	X	X	X	-	-
FTP	Push, Pull	Push, Pull	Push, Pull	Push, Pull	Push, Pull	-	-
SFTP	Push	Push	Push	-	-	-	-
PPP	X	X	X	X	X	-	-
SSH v2	X	X	X	-	-	-	-
Telnet	X	X	X	X	X	Pass-through	-
Configuration Program (Serial & Network)	-	-	-	-	-	X	-
Web Browser (HTTP)	X	X	X	X	X	-	X
Web Browser (HTTPS)	X	X	X	X	X	-	-
Static Routes	X	X	X	X	X	-	-
VPNs (used with SitePath)	X	X	X	X	X	-	-
VLANs	X	X	X	-	-	-	-
MODBUS	-	X	X	-	-	-	-
<b>Record Collection Options</b>							
Serial Port Record Collection	X	X	X	X	X	-	-
SNMP Trap Capturing	X	X	X	X	X	-	-
<b>Stored Data Polling Options</b>							
FTP Push/Pull	X	X	X	X	X	-	-
Secure FTP (SFTP) Push/Pull	X	X	X	-	-	-	-
Real-time TCP/IP Socket Polling	X	X	X	X	X	-	-
Line Mode via Serial, Modem or Telnet	X	X	X	X	X	-	-
<b>Alarm/Event Features</b>							
Serial Data Alarms	1000	1000	1000	100	100	-	-
EventSensor (Type 1) Alarms	X	X	X	X	X	X	-
EventSensor (Type 2) Alarms	-	-	-	-	-	-	X
No-Data Alarms	X	X	X	X	X	-	-
Scheduled Events	X	X	X	X	X	-	-

\* This feature is an option and has additional costs

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<b>Alarm/Event Features Cont'd.</b>							
Serial Handshaking Alarms	X	X	X	X	X	-	-
CPE Alarms (Used with SitePath)	X	X	X	X	X	-	-
Multi-Line Alarm Support	X	X	X	X	X	-	-
Event Sensor Reporting (Contact Mirroring)	X	X	X	X	X	-	-
Multi-Line Alarm Support	X	X	X	X	X	-	-
Virtual Event Sensors	X	X	X	X	X	-	-
<b>Alarm Notification Features</b>							
SNMP v1 Traps, v2c Informs	X	X	X	X	X	v1 Traps	v1 Traps
SNMP Sets & Gets - v1, v3	X	X	X	X	X	v1 Only	v1 Only
Modem Callouts - TAP	X	X	X	X	X	-	-
Paging	X	X	X	X	X	-	-
TCP Alerts	X	X	X	X	X	-	-
Asentria Alarms (talert)	X	X	X	X	X	-	-
SMTP/Email Alerts	X	X	X	X	X	-	X
Contact Mirroring	X	X	X	X	X	-	-
Send Alerts over PPP Dialout	X	X	X	X	X	-	-
<b>Remote Device Access Features</b>							
Pass-through Serial Port Access	X	X	X	X	X	-	-
Connect using Dialup PPP	X	X	X	X	X	-	-
Dialup Access to other Devices on the Remote LAN (IP Routing)	X	X	X	X	X	-	-
<b>Security Features</b>							
Configurable Security Profiles	X	X	X	X	X	-	-
RADIUS Server Support	X	X	X	-	-	-	-
PAP and CHAP Authentication (via RADIUS)	X	X	X	-	-	-	-
Button Unlock	X	X	X	X	X	-	X
Shared Secret Challenge/Response	X	X	X	X	X	-	-
Restrict Dial-In Access using Caller ID	X	X	X	X	X	-	-
Restrict Network Access by IP Address	X	X	X	X	X	X	-
<b>Other Notable Features</b>							
Audit Log (128K to 1MB Storage)	X	X	X	X	X	-	-
Data Logging Storage	32MB	32MB	32MB	32MB	32MB	-	-
Remote Firmware Upgrades via FTP	X	X	X	X	X	X	via HTTP
Scripting	X	X	X	-	-	-	-
PING of Remote CPE	X	X	X	-	-	-	-
<b>Expansion Cards*</b>							
Expansion Card Bays	3	6	2	6	2	-	-
Serial Ports (4 per Card)	4, 8, 12, 16	4, 8, 12, 16	4, 8	4, 8, 12, 16	4, 8	-	-
Maximum Serial Ports (including On-board)	16	16	10	16	10	-	-
SensorJack Ports (4 per Card)	4, 8, 12, 16	4, 8, 12, 16	4, 8	4, 8, 12, 16	4, 8	-	-
Maximum SensorJack Ports	16	16	10	16	10	-	-
Low Current Relays (4 or 8 per Card)	Up to 24	Up to 48	Up to 16	Up to 48	Up to 16	-	-
Analog Voltage Inputs (4 or 8 per Card)	Up to 24	Up to 48	Up to 16	Up to 48	Up to 16	-	-
Isolated Analog Voltage Inputs (4 per Card)	4, 8, 12	4, 8, 12, 16, 20, 24	4, 8	4, 8, 12, 16, 20, 24	4, 8	-	-
Contact Closure Inputs (4 or 8 per Card)	Up to 24	Up to 48	Up to 16	Up to 48	Up to 16	-	-
Isolated Contact Closure Inputs (4 per Card)	4, 8, 12	4, 8, 12, 16, 20, 24	4, 8	4, 8, 12, 16, 20, 24	4, 8	-	-
4-20mA Sensor Inputs (4 or 8 per Card)	Up to 24	Up to 48	Up to 16	Up to 48	Up to 16	-	-
Isolated 4-20mA Sensor Inputs (4 per Card)	4, 8, 12	4, 8, 12, 16, 20, 24	4, 8	4, 8, 12, 16, 20, 24	4, 8	-	-
Wireless Modem Expansion Card	1	1	1	1	1	-	-
ADSL Modem Expansion Card	1	1	1	1	1	-	-

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<b>Technical Specifications</b>							
Dimensions - Width	17.5in/44.45cm	17in.27.94cm	11in/43.18cm	17in/27.94cm	11in/43.18cm	19in/48.26cm	4.5in/11.34cm
Dimensions - Height	1.75in/4.445cm	1.75in/4.445cm	1.75in/4.445cm	1.75in/4.445cm	1.75in/4.445cm	1.75in/4.445cm	1.5in/3.72cm
Dimensions - Depth	15.5in/39cm	7.80in/19.812cm	7.80in/19.812cm	7.80in/19.812cm	7.80in/19.812cm	4.75in/12cm	5.75in/14.49cm
Weight - dependent on configuration	13.2lbs/5.99kg	3-5lbs/1.36-2.27kg	3-5lbs/1.36-2.27kg	3-5lbs/1.36-2.27kg	3-5lbs/1.36-2.27kg	2lbs/0.91kg	.9lbs/41kg
Mounting Options	Shelf or 19in rack	Shelf or 19in rack	Shelf or 19in rack	Shelf or 19in rack	Shelf or 19in rack	Shelf or 19in rack	Shelf or Wall Mount
Power: 15VDC Desktop Supply w/IEC Cord	-	X	X	X	X	X	X
Power: -48VDC	X	Optional	Optional	Optional	Optional	Optional	Optional
<b>Power Consumption (\$570 only)</b>							
Min Voltage In	35V DC	-	-	-	-	-	-
Max Voltage in	60V DC	-	-	-	-	-	-
Max Current	750mA	-	-	-	-	-	-
<b>Typical Current:</b>							
with no relays energized	200mA	-	-	-	-	-	-
with all relays energized, 2 serial cards and 1 EDGE modem	490mA	-	-	-	-	-	-
<b>Power Consumption (all others)</b>							
Nominal	-	5.25 Watts	5.25 Watts	5.25 Watts	5.25 Watts	-	5.25 Watts
Maximum, limited by 15VDC supply	-	24 Watts	24 Watts	24 Watts	24 Watts	-	24 Watts
<b>Amperage at 15VDC Input Jack</b>							
Nominal Operating: 350mA at 15VDC	-	X	X	X	X	-	X
Max: 1600mA, limited by 15VDC supply	-	X	X	X	X	-	X
BTU's - Nominal	-	18 BTU/hour	18 BTU/hour	18 BTU/hour	18 BTU/hour	-	-
BTU's Maximum	-	82 BTU/hour	82 BTU/hour	82 BTU/hour	82 BTU/hour	-	-
<b>Certifications</b>							
RoHS (lead free)	X	X	X	X	X	X	X
CE	X	X	X	X	X	X	-
CSA	X	X	X	X	X	-	-
A-tick	-	X	X	X	X	-	-
Operating Temperature	0 to 40 deg C	0 to 40 deg C	0 to 40 deg C	0 to 40 deg C	0 to 40 deg C	-30 to 60 deg C	-
Non-operating (storage) Temperature	-20 to 60 deg C	-20 to 60 deg C	-20 to 60 deg C	-20 to 60 deg C	-20 to 60 deg C	-35 to 65 deg C	-
Operating Humidity	10 to 80%	10 to 80%	10 to 80%	10 to 80%	10 to 80%	10 to 99%	-
Non-operating (storage) Humidity	10 to 80%	10 to 80%	10 to 80%	10 to 80%	10 to 80%	10 to 99%	-
Mean Time Between Failure (MTBF)	61,520 hrs	70,000 hrs	70,000 hrs	70,000 hrs	70,000 hrs	90,000 hrs	-



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