



IMPACT

The FUTURE of mining communications

Wireless Access Point



Productivity and Safety through
Mine-Spec digital applications

Wi-Fi wireless access point
Power over Ethernet (PoE) capable
Tag reading abilities
Rugged and reliable

Wireless Access Point Specifications

Mine Site Technologies' ImPact Wireless Access Point (WAP) has been specifically designed for ease of deployment in a mine environment. With a single Wi-Fi radio, housed in a rugged IP66 case, these units can be attached directly onto the walls or back / roof of a mine for both temporary and permanent extension of the wireless network.

Wi-Fi Specifications:	<ul style="list-style-type: none"> IEEE 802.11 b/g wireless access point. Support for 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps modes
Wireless Modulation:	<ul style="list-style-type: none"> CCK (802.11b) DSSS/OFDM (802.11g)
Transmit Power:	<ul style="list-style-type: none"> Max +19dBm
Receive Sensitivity:	<ul style="list-style-type: none"> 802.11b:- 1 Mbps: -94dBm 11 Mbps: -87dBm 802.11g:- 6 Mbps:-87dBm 54 Mbps: -70dBm
Wireless Security	<ul style="list-style-type: none"> WEP (64/128 bit encryption) WPA WPA2

LAN Specifications:	<ul style="list-style-type: none"> IEEE 802.3 100BASE-TX & 10BASE-T IEEE 802.3u Auto-negotiation Automatic MDI/MDIX crossover. IEEE 802.3af mode A (PoE) compliant powered device. VLAN support IEEE 802.1p tagged Frames.
QoS Support:	

Remote Management	<ul style="list-style-type: none"> Remote monitoring via SNMP NTP time synchronisation MAC Filter Web based device configuration Remote firmware upgrades via LAN MST device discovery protocol
--------------------------	---

Connectors	
Console:	<ul style="list-style-type: none"> M12 8way
LAN:	<ul style="list-style-type: none"> M12 Ethernet (4 way)
Wi-Fi:	<ul style="list-style-type: none"> RP-TNC connectors (diversity support)

I/O Capabilities	<ul style="list-style-type: none"> 1 x RS232 Serial port 10/100 wired Ethernet port 802.11b/g Wi-Fi radio port (with diversity antenna)
-------------------------	--

General	
Operating temperature:	<ul style="list-style-type: none"> 0°C to 70°C
Storage temperature:	<ul style="list-style-type: none"> -20°C to 80°C
Operating Humidity:	<ul style="list-style-type: none"> 5% to 90% (Non-condensing)
Input Voltage:	<ul style="list-style-type: none"> 8 to 54 V DC
IP66 Casing	

Mine Site Technologies PTY Limited.
www.minesite.com.au

SYDNEY
25 - 27 Whiting Street
Artarmon
NSW 2064 Australia
PO Box 156 Artarmon 1570
Tel: +61 2 9437 4399
Fax: +61 2 9437 5688
mst@minesite.com.au

PERTH
5/30 Adams Drive
Welshpool
WA 6106 Australia
Tel: +61 8 9472 1710
Fax: +61 8 9022 2311
mstwa@minesite.com.au

KALGOORLIE
17 Darcy Lane
West Kalgoorlie
WA 6430 Australia
PO Box 4200, Kalgoorlie 6430
Tel: +61 8 9022 2300
Fax: +61 8 9022 2311
mstwa@minesite.com.au

MOUNT ISA
15 Duke Street
Mt Isa
QLD 4825 Australia
PO Box 2436 Mt Isa 4825
Tel: +61 7 4749 4922
Fax: +61 7 4749 4933
mstisa@minesite.com.au

MACKAY
Unit 2
Terminus Business Park
20 Caterpillar Drive
Paget QLD 4740
Tel: +61 0447 230180
mst@minesite.com.au

MST offices also located in Sudbury, Canada and Denver, Pittsburg, Elko and Washington USA

Mine Site Technologies Pty Limited reserves the right to make changes to the specifications and information contained in this brochure at any time and without notice. MST-WAP0611-AU

