

# WMKP - Penang - Penang Intl

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## Airport details

State	Penang
Country	Malaysia
Region	WM
Elevation	11ft (3m)
Timezone	GMT +8
Coordinates	5.29722, 100.27666
Type	land
ICAO code	WMKP
IATA code	PEN
FAA code	n/a

## Runway info

Runway 04 / 22	
length	3361m (11027ft)
bearing	42° / 222°
width	46m (151ft)
surface	asphalt
blast zone	62m (203ft) / 62m (203ft)

## Communication

Penang Intl ATIS	126.400
Penang Intl ATIS	126.400
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Penang Intl GND	121.600
Penang Intl GND	121.600
Penang Intl GND	121.600
Penang Intl GND	121.600
Penang Intl TWR	121.100
Penang Intl TWR	121.100
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## Approach frequencies

ILS-cat-I	04	109.9	18.00mi
3° GS	04	109.9	18.00mi

## Nearby beacons

<b>code</b>	<b>identifier</b>	<b>dist</b>	<b>bearing</b>	<b>frequency</b>
VPG	PENANG VOR/DME	1.4	221.7°	116.20
VBT	BUTTERWORTH VORTAC	12.8	32.9°	113.30
AT	ALOR STAR NDB	52	6.2°	385
VAS	ALOR SETAR VOR/DME	53.8	7.7°	113.60
BET	BETONG (YALA) VOR/DME	59.5	60.6°	113.10
VIH	IPOH VOR/DME	65.4	131.5°	117.30

## Departure and arrival routes

Transition altitude	11000ft
Transition level	13000ft

### SID end points

	<b>distance</b>	<b>outbound direction</b>
<b>RW04</b>		
LUNT1C, LUNT1A	53.8	8°
BETN1C, BETN1A	47.2	81°
KABO1A, KABO1C	65.4	132°
BOGU1A, BOGU1C	62.4	144°
UDIK1C, UDIK1A	59.7	175°
MADU1A, MADU1C	65.5	223°
OMBO1C, OMBO1A	44.5	333°
GOGO1A	25.4	351°
UGAM1A	23.3	357°
<b>RW22</b>		
LUNT1D, LUNT1B	53.8	8°
BETN1B, BETN1D	47.2	81°
KABO1D, KABO1B	65.4	132°
BOGU1D, BOGU1B	62.4	144°
UDIK1D, UDIK1B	59.7	175°
MADU1B, MADU1D	65.5	223°
OMBO1B, OMBO1D	44.5	333°
GOGO1B	25.4	351°
UGAM1B	23.3	357°

### STAR starting points

	<b>distance</b>	<b>inbound direction</b>
<b>RW04</b>		
MADU1E	65.5	43°
OMBO1E	44.5	153°
LUNT1E	53.8	188°
BETN1E	47.2	261°
GORV1E	73.5	337°
<b>RW22</b>		
MADU1F	65.5	43°
OMBO1F	44.5	153°
LUNT1F	53.8	188°

BETN1F	47.2	261°
GORV1F	73.5	337°

## Holding patterns

<b>STAR name</b>	<b>hold at</b>	<b>type</b>	<b>turn</b>	<b>heading*</b>	<b>altitude</b>	<b>leg</b>	<b>speed limit</b>
BETN1E	BUBRA	VHF	left	42 (222)°	> 7000ft	1.0min timed	230
BETN1F	AVGAT	VHF	right	103 (283)°	> 7100ft	1.0min timed	230
GORV1E	AVLOM	VHF	right	127 (307)°	> 3100ft	1.0min timed	230
GORV1F	KAMBU	VHF	right	222 (42)°	> 9000ft	1.0min timed	230
LUNT1E	ADLUN	VHF	right	10 (190)°	> 6000ft	1.0min timed	230
LUNT1F	LUKMA	VHF	right	312 (132)°	> 4300ft	1.0min timed	230
MADU1E	MADUM	VHF	right	225 (45)°	> 7000ft	1.0min timed	230
MADU1F	KAMBU	VHF	right	222 (42)°	> 9000ft	1.0min timed	230
OMBO1E	ADLUN	VHF	right	10 (190)°	> 6000ft	1.0min timed	230
OMBO1F	LUKMA	VHF	right	312 (132)°	> 4300ft	1.0min timed	230

\*) magnetic outbound (inbound) holding course

## Disclaimer

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## To be used with X-Plane simulation only