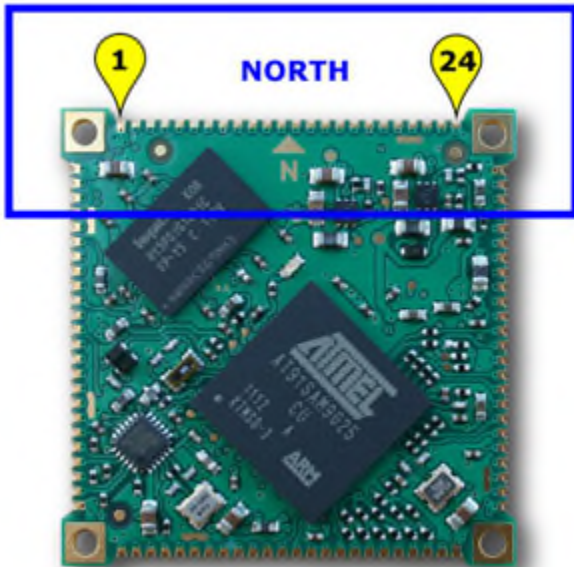
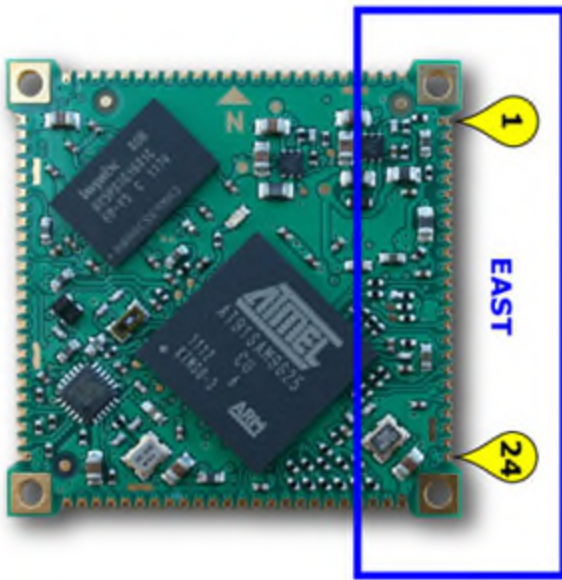


Aria G25 pinout



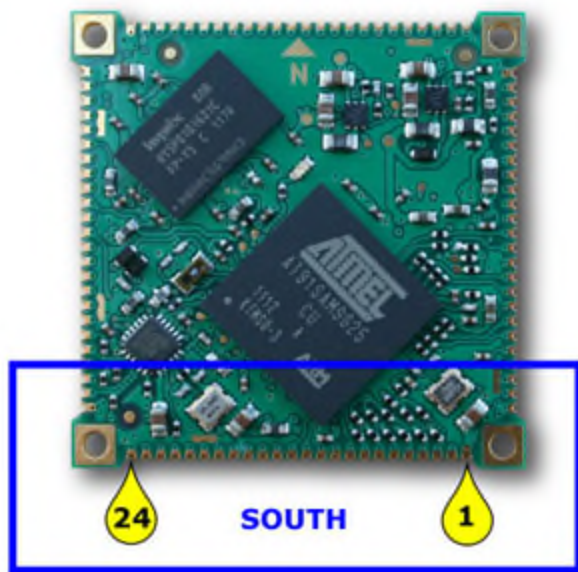
Pin ID	Pin name	Primary signal	Alternate signal	Kernel ID
N1	3V3	Power supply line		
N2	PC0	GPIO	I2C bus 1 DATA signal	96
N3	PC1	GPIO	I2C bus 1 CLOCK signal	97
N4	PC2	GPIO		98
N5	PC3	GPIO		99
N6	PC4	GPIO		100
N7	PC5	GPIO		101
N8	PC6	GPIO		102
N9	PC7	GPIO		103
N10	PC8	GPIO	UTXD0	104
N11	PC9	GPIO	URXD0	105
N12	PC10	GPIO		106
N13	PC11	GPIO		107
N14	PC12	GPIO		108
N15	PC13	GPIO		109
N16	PC14	GPIO		110
N17	PC15	GPIO		111
N18	PC16	GPIO	UTXD1	112
N19	PC17	GPIO	URXD1	113
N20	PC18	GPIO	PWM0	114

Pin ID	Pin name	Primary signal	Alternate signal	Kernel ID
N21	PC19	GPIO	PWM1	115
N22	PC20	GPIO	PWM2	116
N23	PC21	GPIO	PWM3	117
N24	GND	Power supply line		



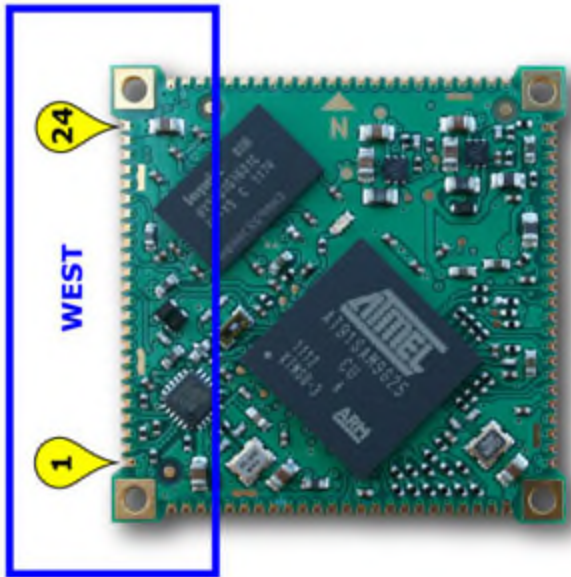
Pin ID	Pin name	Primary signal	Alternate signal	Kernel ID
E1	GND	Power supply line		
E2	PC22	TXD3 - Serial line /dev/ttyS4	GPIO	118
E3	PC23	RXD3 - Serial line /dev/ttyS4	GPIO	119
E4	PC24	RTS3 - Serial line /dev/ttyS4	GPIO	120
E5	PC25	CTS3 - Serial line /dev/ttyS4	GPIO	121
E6	PC26	GPIO		122
E7	PC27	RTS1 - Serial line /dev/ttyS2	GPIO	123
E8	PC28	CTS1 - Serial line /dev/ttyS2	GPIO	124
E9	PC29	GPIO		125
E10	PC30	GPIO		126
E11	PC31	GPIO		127
E12	USBCP	USB 2.0 Host full-speed port C line D+		
E13	USBCN	USB 2.0 Host full-speed port C line D-		
E14	GND	Power supply line		
E15	USBBN	USB 2.0 Host hi-speed port B line D-		
E16	USBBP	USB 2.0 Host hi-speed port B line D+		

Pin ID	Pin name	Primary signal	Alternate signal	Kernel ID
E17	GND	Power supply line		
E18	USBAN	USB 2.0 Host/Device hi-speed port A line D-		
E19	USBAP	USB 2.0 Host/Device hi-speed port A line D+		
E20	VBAT	RTC battery backup +3 volt DC input		
E21	NRST	Reset input signal (active low)		
E22	SHDN	Shutdown output signal (active low)		
E23	WKUP	Wake-up input signal (active low)		
E24	3V3	Power supply line		



Pin ID	Pin name	Primary signal	Alternate signal	Kernel ID
S1	3V3	Power supply line		
S2	PA21	1-wire bus	GPIO	53
S3	PA20	SD card DA3		52
S4	PA19	SD card DA2		51
S5	PA18	SD card DA1		50
S6	PA17	SD card CK		49
S7	PA16	SD card CDA		48
S8	PA15	SD card DA0		47
S9	PA14	SPI bus 0 NPCS0	GPIO	46
S10	PA13	SPI bus 0 SPCK	GPIO	45
S11	PA12	SPI bus 0 MOSI	GPIO	44
S12	PA11	SPI bus 0 MISO	GPIO	43

Pin ID	Pin name	Primary signal	Alternate signal	Kernel ID
S13	PA10	DTXD - Debug serial port		42
S14	PA9	DRXD - Debug serial port		41
S15	PA8	RXD2 - Serial line /dev/ttyS3	GPIO	40
S16	PA7	TXD2 - Serial line /dev/ttyS3	GPIO	39
S17	PA6	RXD1 - Serial line /dev/ttyS2	GPIO	38
S18	PA5	TXD1 - Serial line /dev/ttyS2	GPIO	37
S19	PA4	GPIO		36
S20	PA3	CTS0 - Serial line /dev/ttyS1	GPIO	35
S21	PA2	RTS0 - Serial line /dev/ttyS1	GPIO	34
S22	PA1	RXD0 - Serial line /dev/ttyS1	GPIO	33
S23	PA0	TXD0 - Serial line /dev/ttyS1	GPIO	32
S24	GND	Power supply line		



Pin ID	Pin name	Primary signal	Alternate signal	Kernel ID
W1	GND	Power supply line		
W2	ETHRXP	Ethernet RX +		
W3	ETHRXN	Ethernet RX -		
W4	ETHTXP	Ethernet TX +		
W5	ETHTXN	Ethernet TX -		
W6	ETH3V3	Ethernet 3V3		
W7	ETHLED1	Yellow LED (traffic)		
W8	ETHLED2	Green LED (link)		

Pin ID	Pin name	Primary signal	Alternate signal	Kernel ID
W9	PA22	GPIO		54
W10	PA23	GPIO		55
W11	PA24	GPIO		56
W12	PA25	GPIO		57
W13	PA26	GPIO		58
W14	PA27	GPIO		59
W15	PA28	GPIO		60
W16	PA29	GPIO		61
W17	PA30	I2C bus 0 DATA signal	GPIO	62
W18	PA31	I2C bus 0 CLOCK signal	GPIO	63
W19	ADVREF (max 3.3 volt)			
W20	PB11	AD0	GPIO	75
W21	PB12	AD1	GPIO	76
W22	PB13	AD2	GPIO	77
W23	PB14	AD3	GPIO	78
W24	3V3	Power supply line		