

**COMEMOC PLC+HMI**  
**CMC3U043-20MR-2AD-2DA**

**Standard type (PLC part)**

Model	CMC3U-20MR
Input Voltage:	DC24V
Program Steps	8000 steps , RS232 protocol 38400,7,E,1;
Input Point X Component	X0-X13, 12 input, NPN type.X0-4 high- counting input port 20KHz. 4 channel single phase counting or 2 channel AB channel counting
Output Point Y component	Y0~Y7 8 Relay output. <250VAC,30VDC Maximum current is 2A.
Analog Input	2 channels 0~10V (can be changed to 0-20mA ) , 12-bit , read with RD3A
Analog Output	2 channels 0~10V analog output, 12-bit , Write with WR3A
Intermediate Relay M	M0-M3071, power-off save range can be set
Stepping Point S	S0-1023, power-off save range can be set S0-S1023
100Ms Timer	T0-T199, accumulative power-off save T184-T199
10Ms Timer	T200-T249, accumulative power-off save T246-T249
1Ms Timer	T250-T383, T250-255 is accumulated type
16-bit Counter	C0-C199, power-off save C100-199
32-bit Counter	C200-C219, power-off save C220-C234
32-bit High-Counter	C235-255; C235-240 is single-phase counter, no frequency multiplication; C241-240 is single-phase counter, 2 frequency multiplication; C247-249 is double-phase counter, no frequency multiplication; C250-252 is double-phase counter, 2 frequency multiplication; C253-255 is double-phase counter, 4 frequency multiplication.
Register D	D0-D7999, power-off save range can be set D0-7999

Indirect Addressing Pointer V, Z	V0-7,Z0-7
P Subroutine	P0-63
I Interrupt	X0-5 external interrupt. Timer Interrupt (1ms is unit). Counter interrupt.
Special M Component	M8000 is normally during operation, M8002 power-on pulse, M8011 is 10Ms pulse, M8012 is 100Ms pulse, M8013 is 1s pulse, M8014 is minute pulse.
Download port	Type-C
Software	Mitsubishi GXWorks2

### **Standard type (HMI part)**

- Model : AMT043W16-L480\*272R
- Display size(inch) : 4.3 inch (16:9)TFT LCD
- Dimension (mm) : 142\*90.5\*37
- Mounting dimension (mm) : 132\*80
- Operating temperature : -10~50°C
- Operating humidity : 10%RH~90%RH (no condensation)
- Housing Material : Engineering Plastics
- Resolution : 480\*272
- LCD: TFT LCD
- Bright: 250
- Touch panel: 4-wire resistive touch screen
- Backlight LED: Lifespan 20000 hours support adjustment
- Storage : 64MB NAND Flash

- Memory: 32MB DDR2
- CPU : 600MHz ARM9
- Upload & Download port: Type-C cable, USB flash drive
- Communication port: RS485 hmi port
- Voltage/Power : DC24V (voltage range: DC22V~26V) 4W
- Cooling mode : Natural air cooling
- Protection level : The front board is in line with IP65 and the back of the fuselage is in line with IP20
- Power protection : With +/- 250V lightening wave surge protection capabilities
- Software : CMC standard HMI software (HMI Studio 5.1)

- .Power Supply :DC24V
- .Program :8000 steps
- Input Point X Component :X0-X13, 12 input, NPN type.X0-4 high- counting input port 20KHz. 4 channel single phase counting or 2 channel AB channel counting
- Output Point Y Component :Y0~Y7 8 Relay output. <250VAC,30VDC Maximum current is 2A.
- Analog Input :2 channels 0~10V (can be changed to 0-20mA ) , 12-bit , read with RD3A
- Analog Output:2 channels 0~10V analog output, 12-bit , Write with WR3A
- Software :Mitsubishi GXWorks2

