	CP343-1	CP343-1	CP343-1	CP343-1 Advanced	CP343-1 Advanced	CP343-1 Advanced	CP343-1 Lean
MLFB: 6GK7343-1…	…**EX11**-0XE0	…**EX21**-0XE0	…**EX30**-0XE0	…**GX21**-0XE0	…**GX30**-0XE0	…**GX31**-0XE0	…**CX10**-0XE0
Services							
ISO transport protocol	X	X[1]	X	X[2]	X	X	–
open communication by means of the blocks FC5 "AG_SEND" and FC6 "AG_RECV"	X	X[1]	X	X[2]	X	X	–
open communication by means of T blocks	–	–	–	–	–	–	–
open communication by means of Fetch/Write (passive)	X	X[1]	X	X[2]	X	X	–
Lock/Unlock for Fetch/Write	X	X[1]	X	X[2]	X	X	–
Diagnostics with AG_CNTRL	–	X[1]	X	X[2]	X	X	–
ISO-on-TCP protocol	X	X	X	X	X	X	X
open communication by means of the blocks FC5 "AG_SEND" and FC6 "AG_RECV"	X	X	X	X	X	X	X
open communication by means of T blocks	–	–	–	–	–	–	–
open communication by means of Fetch/Write (passive)	X	X	X	X	X	X	X
Lock/Unlock for Fetch/Write	X	X	X	X	X	X	X
Diagnostics with AG_CNTRL	–	X	X	X	X	X	X[7]
TCP protocol	X	X	X	X	X	X	X
open communication by means of the blocks FC5 "AG_SEND" and FC6 "AG_RECV"	X	X	X	X	X	X	X
open communication by means of T blocks	–	–	–	–	–	–	–
open communication by means of Fetch/Write (passive)	X	X	X	X	X	X	X
Lock/Unlock for Fetch/Write	X	X	X	X	X	X	X
Diagnostics with AG_CNTRL	–	X	X	X	X	X	X[7]
UDP protocol	X	X	X	X	X	X	X
open communication by means of the blocks FC5 "AG_SEND" and FC6 "AG_RECV"	X	X	X	X	X	X	X
open communication by means of T blocks	–	–	–	–	–	–	–
open communication by means of Fetch/Write (passive)	–	–	–	–	–	–	–
Lock/Unlock for Fetch/Write	–	–	–	–	–	–	–
Diagnostics with AG_CNTRL	–	X	X	X	X	X	X[7]

	CP343-1	CP343-1	CP343-1	CP343-1 Advanced	CP343-1 Advanced	CP343-1 Advanced	CP343-1 Lean
MLFB: 6GK7343-1…	…**EX11**-0XE0	…**EX21**-0XE0	…**EX30**-0XE0	…**GX21**-0XE0	…**GX30**-0XE0	…**GX31**-0XE0	…**CX10**-0XE0
S7 communication	X	X	X	X	X	X	X[4]
IT communication	–	–	–	X	X	X	–
E-mail client	–	–	–	X	X	X	–
HTML utilities	–	–	–	X	X	X	–
FTP server	–	–	–	X	X	X	–
FTP client	–	–	–	X	X	X	–
IP access protection (IP-ACL)	–	X	X	X	X	X	–
IP configuration (FB55 "IP_CONFIG")	–	X	X	X	X	X	X
PG/OP communication	X	X	X	X	X	X	X
SNMP protocol	–	X[5]	X	X	X	X	X
PROFINET IO controller	–	X[1]	X	X[2]	X	X	–
PROFINET IO device	–	–	X	–	X	X	X
PROFINET / CBA	–	X[1]	–	X[2]	X	X	–
S7 routing	X	X	X	X	X	X	X
Time-of-day synchronization	–	X	X	X	X	X	X
SIMATIC process	X[8]	X	X	X	X	X	X
NTP process	–	X	X	X	X	X	X
Web diagnostics	–	–	X	–	X	X	X
Security Integrated	–	–	–	–	–	X	–
Firewall	–	–	–	–	–	X	–
Virtual Private Network (VPN) over IPsec	–	–	–	–	–	X	–
NAT/NAPT-Router	–	–	–	–	–	X	–
Connections							
RJ45	1	1	2	1	3	3	2
ITP	1	–	–	–	–	–	–
AUI	1	–	–	–	–	–	–
Transmission rates							
10 Mbit/s	X	X	X	X	X	X	X
100 Mbit/s	X	X	X	X	X	X	X
1 Gbit/s	–	–	–	–	X[6]	X[6]	–

	CP343-1	CP343-1	CP343-1	CP343-1 Advanced	CP343-1 Advanced	CP343-1 Advanced	CP343-1 Lean
MLFB: 6GK7343-1…	…**EX11**-0XE0	…**EX21**-0XE0	…**EX30**-0XE0	…**GX21**-0XE0	…**GX30**-0XE0	…**GX31**-0XE0	…**CX10**-0XE0
Quantity frameworks							
number of possible connections for open communication[3]	16	16	16	16	16	16	8
Data volume as useful data for open communication by means of the blocks FC5 "AG_SEND" and FC6 "AG_RECV" for each TCP/ISO-on-TCP/ISO transport connection max.	8 kByte	8 kByte	8 kByte	8 kByte	8 kByte	8 kByte	8 kByte
Data volume as useful data for open communication by means of the blocks FC5 "AG_SEND" and FC6 "AG_RECV" for each UDP connection max.	2 kByte	2 kByte	2 kByte	2 kByte	2 kByte	2 kByte	2 kByte
Number of possible connections for S7 communication max.	16	32	16	32	32	32	4
Number of PG/OP connections (acyclic utilities)	16	16	16	16	16	16	4
Multiprotocol (sum of all connections operating simultaneously)	32	48	32	48	48	48	12
Multicast	16	16	16	16	16	16	8

[1] The previous module CP343-1EX20 supports neither the ISO transport protocol nor PROFINET.

[2] The previous module CP343-1GX20 supports neither the ISO transport protocol nor PROFINET.

[3] Sum of all SEND/RECEIVE connections operating simultaneously.

[4] The CP343-1 Lean supports only server functions.

[5] The previous module CP343-1EX20 supports SNMP from firmware V1.1 onwards.

[6] The CP343-1 Advanced has one RJ45 interface, that supports the transmission rate 1 Gbit/s.

[7] The CP343-1CX10 supports the diagnostic with AG_CNTRL from firmware V2.1

[8] The CP343-1EX11 uses the SIMATIC process to asign the entries in the diagnostic buffer with time stamps.